THE CHEMIST and DRUGGIST JANUARY 5, 1946

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

No. 3439 VOL. CXLV JANUARY 5, 1946 Annual Subscription (with Diary) 25/-. Single copies 9d.

The nicest way of taking Halibut Liver Oil

ALLEN & HANBURYS LTD.
LONDON · E · 2

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A Rich Background of Vitamin Experience

FOR twenty-nine years vitamin research has been a major project in the Parke-Davis Laboratories. Many significant developments, including the following, have come from this work.

The first procedure for biologically measuring the vitamin D potency of cod-liver oil.

The first officially recognised method of vitamin A assay, in which Parke-Davis research workers co-operated.

The first label statement of potencies of both vitamins A and D of cod-liver oil.

The first published recognition that vitamin B (as it was originally called) consisted of two or more components.

One of the first concentrated vitamin B preparations.

Introduction of high potency fish-liver oils—such as 'Haliverol'—which made administration of vitamins A and D much easier and more certain.

•

SEND FOR TERMS FOR PARKE-DAVIS VITAMIN PRODUCTS

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PARKE, DAVIS & COMPANY
50 Beak St., London, W.1

Inc. U.S.A. Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

A PRODUCT OF BIO-CHEMICAL RESEARCH

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

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"As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon."

AP 1180. —— R. P.

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AT 1108. —— F. T.

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"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263. —— E. H.

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

★ 1/6 Profit on every sale

Retail Price 5/- per pkt. * Including purchase tax.

Wholesale 42/- per doz. * Including purchase tax.

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The New Anti-Malarial

The unique anti-malarial properties of 'Paludrine' were discovered as the result of systematic investigations carried out by a team of I.C.I. research workers in collaboration with clinicians in the field of tropical medicine.

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EVANS LAMB DYSENTERY SERUM

for immunising newly born lambs

The spring lambing season is not far off now, and farmers in the infected areas will soon be requiring supplies of Evans Lamb Dysentry Serum to give protection to the newly born lambs.

Evans Lamb Dysentry Serum is effective against the disease even on heavily infected farms, but it is essential that inoculation takes place within 12 hours of birth.

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for inoculation of lambs as soon as possible after birth

	Retail	Wholesale
Containers of 50 c.c. -	7/9 each	62/- doz.
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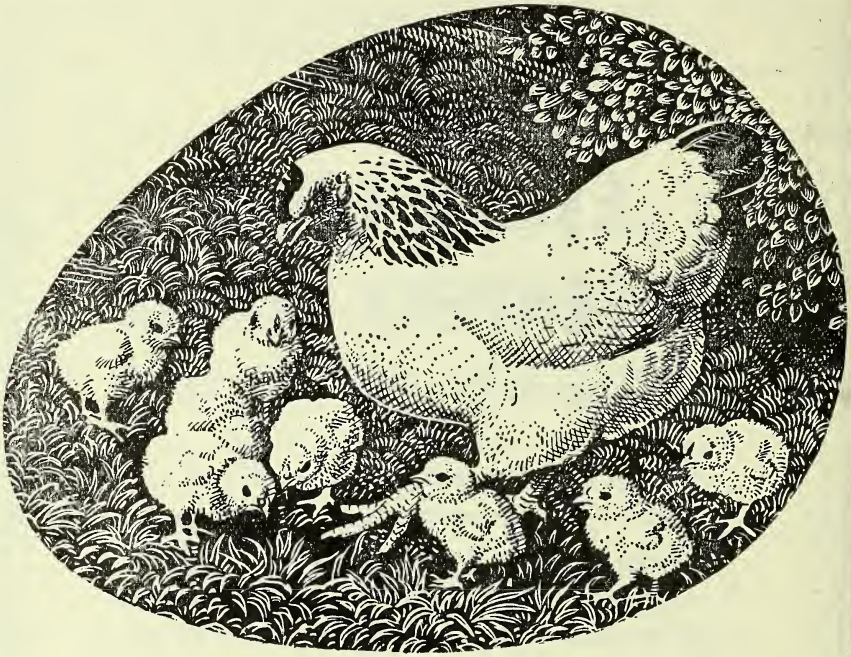

Get ready for the spring demand!

Spring is the time when large numbers of chickens are hatched out. This means that shortly there will be an increase in the demand for StockSense Concentrate Poultry Conditioner, and dealers will be well advised to stock up in readiness for extra sales.

Among the constituents of StockSense are manganese and Vitamin D, two elements of particular benefit to growing pullets. StockSense does its work in a wholly *natural* way. It helps birds to mature rapidly and to attain maximum egg output in the shortest time.

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STOCKSENSE

CONCENTRATE POULTRY CONDITIONER

P.A.T.A

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The successful much publicised preparation

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Disinfectants

to Hospitals, Public Institutions, Local Councils, &c

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the **PRINCE REGENT TAR COMPANY, LTD**

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Carbolic Disinfecting Fluids containing 10% to 80% Tar Acids.

White Disinfecting Fluids—miscible in salt, fresh or brackish water, Co-efficients 18/20, 22/24.

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Carbolic Weed Killer, etc.

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The Directors wish to place on record their appreciation of the forbearance of their Customers during the war years. Our representative Staff were called off the road shortly after the outbreak of war either to serve in H.M. Forces or to assist in the Works.

We are not yet able to reinstate this service on account of the continued shortage of materials and labour, but shall do so as soon as circumstances permit. In the meantime, the Company welcome your valued orders and enquiries through the post, and are determined to maintain the best possible service. By so doing, they hope to retain the Goodwill and Support of the individual Pharmacist and assist him in his fight against present day competition.

Ucal

Ascotts

PHARMACIES (1933) LIMITED

The Directors of Ascotts Pharmacies Ltd. offer their best wishes for a Happy and Prosperous New Year to all the many friends of the Company in the trade.

They take this opportunity of thanking all suppliers for their great help ahd co-operation in the difficult years which have passed, and they now look forward to improving times, in which, in an ever increasing measure, close co-operation and friendship will result in steady expansion of happy mutual dealings.

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Antipyretic and Analgesic Tablets
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All subject to 16⅔% Purchase Tax

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As the thermometer drops, the number of colds increases—and your sales of ANTIPHLOGISTINE go up. Check your stocks now and be prepared.

ANTIPHLOGISTINE, the ready-to-use medicated poultice, helps to relieve those distressing symptoms of a chest cold, cough, tightness of the chest, muscular aches and pains.

It maintains Moist Heat for many hours.

Antiphlogistine
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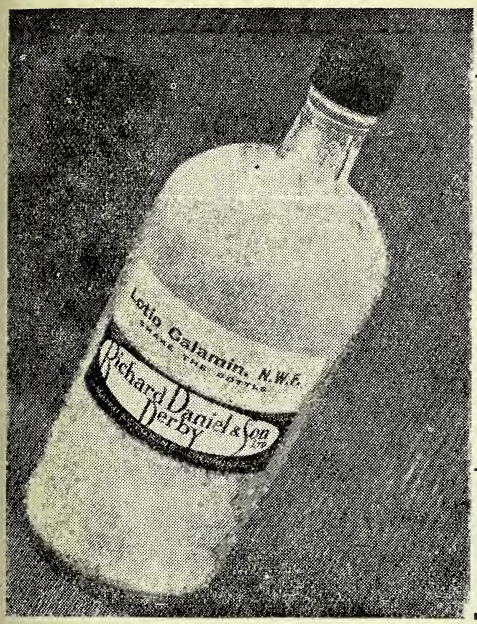

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HAEMORRHOIDAL
SUPPOSITORIES
FOR RAPID RELIEF

A new and highly ethical product containing benzocaine and ephedrine. SUPOL is designed to give immediate relief and lasting comfort for hæmorrhoidal pains, rectal irritation, etc NOW BEING ADVERTISED. Distribution through chemists only.

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PUBLIC price **3/4** inc. tax

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12 BOXES INVOICED AS 11

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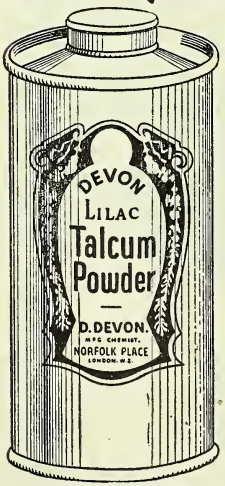

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★ *Attractive Pack*
★ *All metal (colour sprayed) sprinkler containers*
★ *Delightfully perfumed*
★ *Sells on sight*

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To clear that Catarrh

One very helpful method is provided by the Mascot Liquid Inhalant. It is ideal for colds in the head.

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It's the little finger tip dose that counts

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A Superb Beeftea

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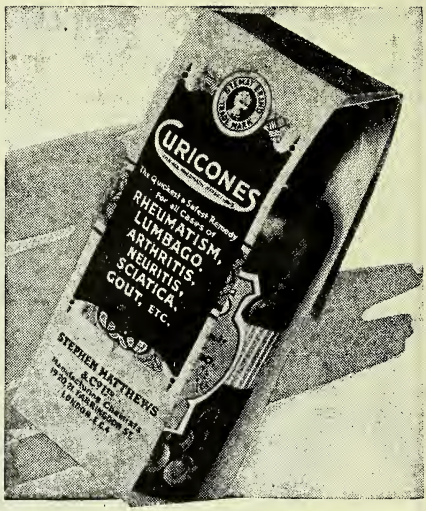
Concentrated OXO contains 0.5-0.6 *Mg/Gm of the Vitamin Niacin (References: Drummond & Moran, Nature* 1944, 153,99, *Frankau, BMJ,* 1943, 11, 601*)*



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You can order it!

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5/- and **24/-** Bottles of

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are always available through all leading wholesalers

We draw special attention to this because, in recent weeks, many instances have come to light of intending purchasers being informed that these sizes are unobtainable

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For the relief of Rheumatism and kindred troubles

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D.D.T. (Geigy) Sprayer Outfits consisting of Sprayer and Bottle of D.D.T. Fluid. Retail price, 7/6. Wholesale price, 5/3.

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Plastic Ointment Containers, 4/- dozen.

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Styptic Pencils in Plastic Cases, 6/8 dozen, plus 33⅓% tax.

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SAMARITAN OINTMENTS

rank equally high in their class and are available at reasonable prices in 1 oz. and 2 oz. amber jars.

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	15. 7.
Purchase Tax	2. 8.
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Selling price of this parcel	29. 3.

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Life seems to be at its lowest ebb, and it is a busy time for those who supply the nation's medical requirements.

Throughout the dark years of war we have done our best to supply the wants of our friends in the trade. Things are still difficult, labour and raw material are scarce. But things are improving and we shall spare no pains in order to re-introduce our normal excellent service.

Drug Merchants & Manufacturing Chemists

POTTER & CLARKE LTD

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LONDON & MANCHESTER

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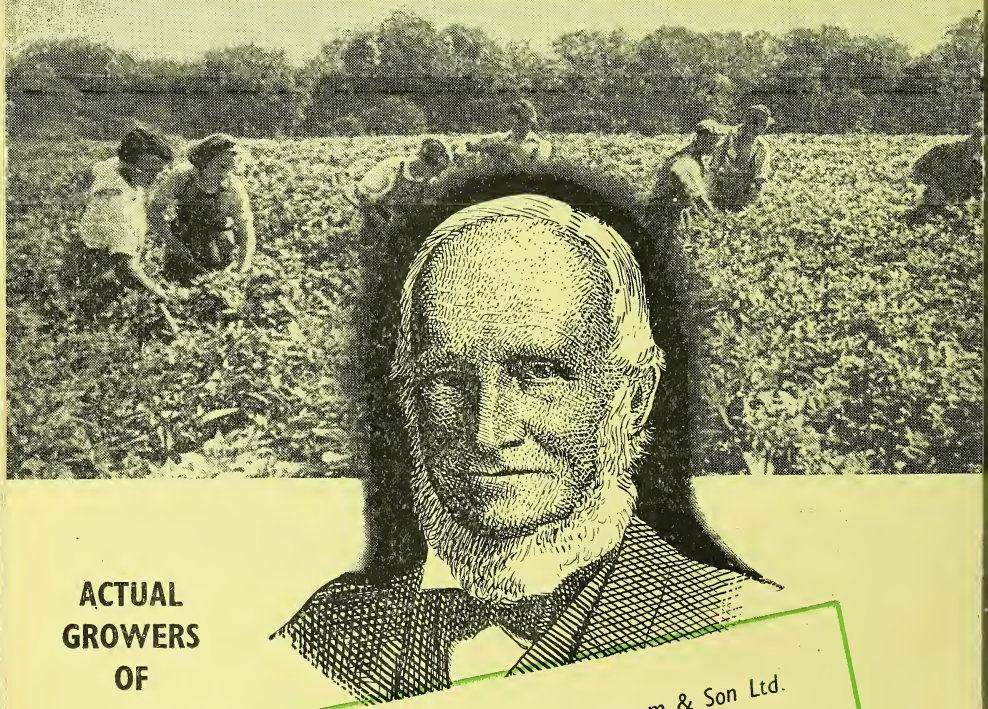
1846 RANSOM 194

DRUG GROWING FOR 100 YEARS



ACTUAL GROWERS OF

William Ransom, founder of William Ransom & Son Ltd.

In 1846, William Ransom, druggist and naturalist, started his drug-growing farm at Hitchin, Hertfordshire. For 100 years drugs and galenicals from the Ransom farms and factories have been sent to all parts of the world, and the name Ransom has become a hall-mark throughout the pharmaceutical industry. To-day the Company looks with pride on its many achievements of the century.

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Hitchin, Hertfordshire, England.

1846 Romance of a Hundred Years 1946

A century's experience in galenical production

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SOLID and LIQUID
TINCTURES
RESINOIDS
OLEO-RESINS
MEDICINAL RESINS
ESSENTIAL OILS
CHLOROPHYLL

From drugs grown on the Company's own farms

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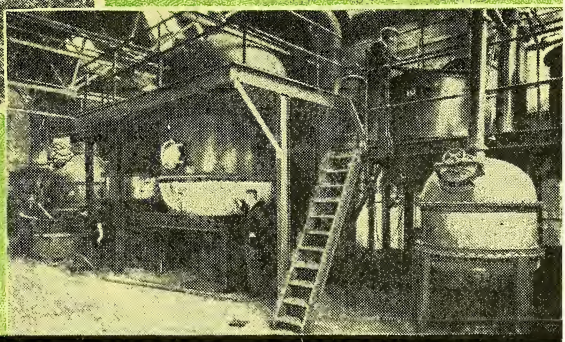

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'ROCHE' NEWS IN BRIEF

Vitamin K in Urticaria

In an editorial review on the urticarias, mention is made of one study covering 156 patients in whom the disease was chronic and who were unrelieved by other measures. A diminished level of prothrombin was found in 65 per cent. of the patients. Treatment consisted of small doses of vitamin K (menaphthone) given by mouth thrice daily before meals. Relief was obtained in more than 60 per cent. of cases. It occurred most frequently in those patients in whom the coagulation time was prolonged. The duration of treatment varied from one to four weeks, and in many instances lesions ceased to appear after two days of treatment. Relapses occurred in about one-third of the patients but the renewed administration of the vitamin again gave relief. (*British Medical Journal*, August 18, 1945, p. 224.)

Infective Hepatitis

Experience in 12 recent cases suggested to the author that ascorbic acid may be specific in infective hepatitis. His treatment was very simple, viz.: (*a*) saline purgative, (*b*) a light diet with plenty of fluids, (*c*) ascorbic acid, 500 mg. intravenously daily for 2–3 days and by mouth 400 to 800 mg. daily for a week. "As soon as ascorbic acid therapy was started the change in the colour of the patients' urine and scleræ became apparent and the patients' clinical condition improved." Except in 2 cases which came under his observation rather late, recovery was exceptionally rapid. (*East African Medical Journal*, 1945, No. 4, p. 127.)

Nocturnal Cramps following Fibrositis

Following an attack of acute gluteal fibrositis the writer suffered with very acute nocturnal cramp in the calf muscles of the right leg. During an attack it was not possible to remain in bed owing to the severity of the pain. Various preparations including the barbiturates proved ineffectual. Finally he tried 'Prostigmin,' taking half a 15 mg. tablet each night on retiring to bed, and reports that he derived considerable relief from this drug, which "though probably not a cure, certainly relieved the symptoms and made the nights more bearable." (*British Medical Journal*, September 22, 1945, p. 414.)

Asthma, Hay Fever

The intravenous injection of Nicotinamide 'Roche' which can be combined with the oral administration of tablets, constitutes an effective and rapid treatment of asthma and hay fever. Nicotinamide appears to be endowed with remarkable anti-allergic properties which can be considered as an anti-histamine action. Parenteral administration consisted of injections of 100 mg. daily (*Dermatologica*, Vol. 91, No. 2/3, 1945.)

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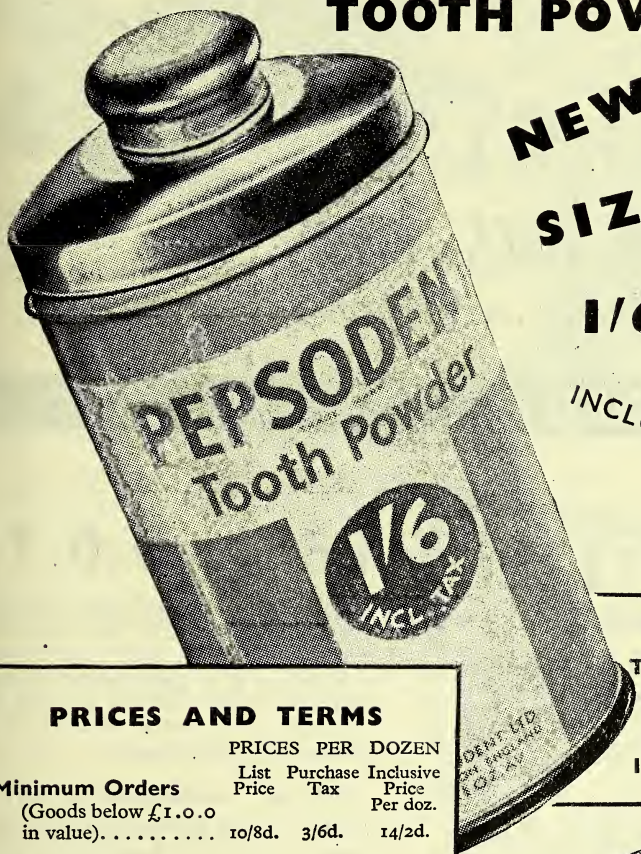

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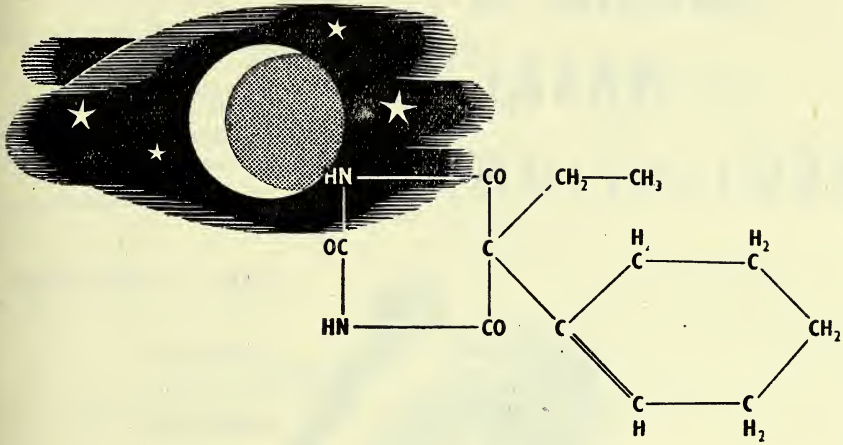

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NEWS OF THE WEEK

Key Industry Duty.—The Treasury has made an Order (S. R. & O., 1945, No. 158) renewing until August 19, 1946, the exemption from Key Industry Duty of all articles which are at present exempt from the Duty.

Holidays in Food Shops.—The Retail Food Trades Joint Industrial Council has announced that, commencing in 1946, workers in the retail food trades are to receive a fortnight's holiday annually with pay, instead of a week as previously.

Research Fellowships.—Turner & Newall, Ltd., have established eight research fellowships in engineering, inorganic chemistry, physics or allied sciences, of a value of £600 per annum and tenable for seven years at Manchester, London, Leeds and Durham Universities.

Welfare Foods.—The Minister of Food announces that persons who are obtaining vitamin products free of cost under the Welfare (Foods) Scheme must make a fresh application during the period January 6 to 19. Application forms may be obtained from local food offices.

Further Reports on German Industry.—A new list of reports on German industry contains only two entries of interest to the drug trade. Copies have been distributed to trade associations and a limited number will also be on sale at H.M. Stationery Office. Titles and prices of the reports referred to are: Société Belge l'Azote, Liège (manufacture of inorganic and organic chemicals), sixpence; chemical installations in the Cologne area, 2s.

Control of Cinchona Products.—The following statement has been issued by the Ministry of Health:—"The Control of Cinchona and Cinchona Products and Synthetic Substances Nos. 1 and 2 Orders, 1942 (S. R. & O. Nos. 1604 and 2668), prohibit the prescribing of these products except for use as an anti-malarial drug, or, in the case of quinidine, for the treatment of cardiac arrythmia. While the supply position still calls for strict economy in the use of these products, it has improved to

some extent in the case of quinine, and the Ministry of Supply, after consultation with the Ministry of Health, is prepared to agree to the use of quinine for induction of labour."

Factory Fire.—A large quantity of cosmetics was destroyed by fire at the premises of C. A. Stokes & Co., Ltd., chemists, Bristol, recently.

Hold-up of Pharmacist.—Mr. James Taylor, M.P.S., Methilhill, Fife, who conducts a sub-post-office at his premises, was the victim of a hold-up recently. The assailant made off with a sum of money grabbed from the till.

Works Gift of Toys.—An exhibition of toys, dolls and garments made by the staff of Evans Medical Supplies, Ltd., Speke, was held at the company's offices recently. They were later presented to the children of Olive Mount Hospital, Wavertree, Liverpool.

Birmingham Dance.—Under the auspices of the Birmingham Pharmaceutical Association a successful dance was held recently at the Botanical Gardens, Edgbaston. Mr. E. C. Thonger acted as M.C., and prizewinners included Mr. and Mrs. L. C. Wright and Mr. and Miss Everill.

Film Society's Brains Trust.—Nottingham Film Society held a "brains trust," recently, at which the panel of experts consisted of Drs. R. Falconer and W. M. Partridge, Messrs. S. W. Stroud, H. E. Palmer and E. M. Soumec, with Dr. G. I. Hobday as question-master.

Christmas Gifts to Service Members.—The committee of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society sent Christmas gifts to 140 of its members still in the Services. An appeal for funds previously made to members of the branch at home met with a generous response.

Staff Dance.—Splendor, Ltd., Nottingham, held their annual dance and Christmas party in Nottingham on December 21, 1945. About 1,000 employees and friends attended, many coming from other parts of the British Isles. The entertainment, which included a special cabaret, was arranged by Mr. E. Wright (dance secretary) and a committee.

Glasgow Theatre Party.—Some sixty members of the Glasgow Branch of the Guild of Public Pharmacists met for tea and a visit to the Theatre Royal recently. The Glasgow and South-western Scottish Branch of the Pharmaceutical Society was represented by the president (Mr. Andrew Officer) and Mrs. Officer, Mr. and Mrs. A. B. Gilmour and Mr. and Mrs. W. McAdam.

Lecture on Insulin.—At a recent meeting of the North London Pharmaceutical Association held at the Wellcome Research Institution, Mr. R. H. Thorp, B.Sc., gave a lecture on "Insulin." He dealt with historical aspects of its discovery, more recent modifications and their application in therapeutics, details of testing, and statistical interpretation of the results.

Bristol Post-graduate Course.—A post-graduate course of lectures and practical instruction is being held at the Merchant Venturers' Technical College, Bristol, on Monday and Tuesday evenings from January 14. The classes will commence at 6.15 p.m. They will be held throughout the term. The subjects for the first term will be sterilisation methods and tests, emulsification, etc.

Chemists' Part in Victory.—The Joint Parliamentary Secretary to the Ministry of Supply and Aircraft Production (Mr. Arthur Woodburn, M.P.) spoke on the wartime work of scientists to members of the Anthraquinone Club of Scientific Workers at Grangemouth recently. Britain was saved, he said, by the resourcefulness of her chemists. Scientific research played a large part in dealing with the novel problems presented by the war against Japan, particularly in the field of tropical proofing.

Brighton Annual Meeting.—At the annual meeting of the Brighton and Hove Association of Pharmacy held recently, the following office-bearers were elected for 1946: *President*, Mr. Donald W. Hudson; *Vice-presidents*, Messrs. Cecil V. Brumwell and Henry B. Mackie; *Treasurer* and *National Pharmaceutical Union Branch Secretary*, Mr. T. Rees Morgan; *Secretary*, Mr. Arch. Wilson; *Committee*, Misses J. Lacroix, L. Peck and N. Bines; Messrs. F. A. Thomas, S. F. George, R. A. Shimmin W. L. Chatfield, G. B. Padwick and A. C. Walmsley.

Northern Ireland Examination Results.—The following candidates were successful in the Winter examinations of the Pharmaceutical Society of Northern Ireland: *Final Qualifying* (Part II)—Bushby, Michael K. P.; Clarke, William H. A.; Donnelly, Kathleen W.; Jones, Lilian F. M.; Malcolmson, Thomas W.; Murtagh, Robert A.; McAtee, Francis G.; McCann, George A.; McCarroll, George W.; McGivern, John G.; McKinley, Robert; Purce, Thomas S.; Stevenson, Alfred M.; Stevenson, Samuel

McI.; Stinson, John G. *Preliminary Scientific* (Part I)—Boylan, John A.; Boyle, James A.; Bryson, Arthur G.; Burke, Patrick F.; Burns, Joseph B.; Deeny, Bernard J.; Gaskin, William D.; Gordon, John; Healy, Madeleine; Kelly, Patrick J.; Lee, Margaret Rose; Long, Hilda M.; Lynn, George S.; Maxwell, Cyril R.; McAteer, Gerard G.; McConaghy, Richard; McIntyre, John L.; McKay, Eugene; McMullan, Desmond M.; Russell, George; Strahan, William T.; Sweeney, Ethel L.

Roll of Honour.—Employees of Boots Pure Drug Co., Ltd., Nottingham, recorded as having been on National service up to November 1945, numbered: Retail, 4,741; wholesale, 1,803. The company's roll of honour carries the names of 238 members of the staff (168 from the retail) who have lost their lives; civilian staff casualties accounted for nineteen of these. Awards gained by members of the retail staff include fifteen Distinguished Flying Crosses, six Distinguished Flying Medals, three Military Crosses, two Military Medals, one George Cross, one American Air Medal, one Croix de Guerre, two British Empire Medals, two awards of Membership of the Order of the British Empire, one Distinguished Service Cross, ten "Mentioned in Dispatches." Wholesale members gained four D.F.C.'s, five D.S.M.'s, two Distinguished Service Orders, two M.M.'s, one B.E.M., one Dutch Cross, nine "Mentioned in Dispatches," with civilian awards of two George Medals.

Irish Drug Association.—Following upon meetings of the committee of the Irish Drug Association held during December 1945, the following report was issued to members: "The Committee is glad to be able to report that, as a result of co-operation given by Sister Lauras Food Co. (Eire), Ltd., in coding supplies, a source of leakage has been discovered and supplies to the offender concerned have been cut off. To avoid any misunderstanding regarding the retail prices for all brands of malt extract and cod-liver oil, members are again reminded that, with the exception of Kepler brand, the prices are: 1 lb., 3s. 6d.; 2 lb., 6s. 6d. It is suggested that, in view of a possible reduction in prices in the near future, stocks of Theogardenal brand theobromine and phenobarbitone tablets should be kept at a reasonably low level. The following items have been added to the approved list: Golden Eagle extract of malt and cod-liver oil; Smith's chilblain ointment. For the benefit of new members, who may not know of the arrangement regarding returned empties that was made with approved wholesalers in 1943, members were asked to note that carriage is allowed on empties from goods delivered on and after September 24, 1943. As the railway companies will not accept empties on a carriage-forward basis, members should send receipts to their wholesalers, which will be duly credited to their accounts. In order to economise in transport charges, members are asked to consign, where possible, on each occasion minimum lots of 56 lb.

Eire Benevolent Fund Dance.—The annual dance held in Dublin on December 11, 1945, in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland was again an unqualified success. Mr. P. G. Redmond was a highly competent M.C. In addition to spot prizes, a Christmas hamper was raffled in aid of the Fund, the draw being presided over by Mrs. J. K. Whelehan (wife of the president, Pharmaceutical Society of Ireland). With Mr. Tim Gleeson as chairman, the dance committee comprised Mr. David Murphy and Miss K. O'Shea (secretaries), Mrs. O'Reilly Leahy (treasurer), Misses Fullum, C. Gaffney and Quinn; Messrs. M. Nicell, P. C. Cahill, P. A. Brady, J. K. Whelehan, C. A. Collis, F. J. Roche, P. G. Redmond, M. Ryan, D. Woulfe, P. Crowley, P. S. Lalor, T. B. O'Sullivan, P. Leahy and M. Leonard.

The large attendance included the Lord Mayor of Dublin (Alderman P. S. Doyle, T.D.) and Lady Mayoress; the president of the Pharmaceutical Society of Ireland (Mr. J. K. Whelehan) and Mrs. Whelehan, the president of the Irish Drug Association (Mr. Lyall G. Smith) and Mrs. Smith, Mr. P. A. Brady (vice-president of the Society), Mr. P. C. Cahill and party, Mr. and Mrs. C. J. Cremen and party, Mr. and Mrs. J. Gleeson and party, Mr. and Mrs. S. McAuley and party, Mr. and Mrs. H. P. Corrigan, Mr. Sylvester O'Farrell, Mr. W. R. Such, Mr. and Mrs. M. Costelloe, Mr. and Mrs. J. Smyth, Mr. and Mrs. P. McAuliffe, Mr. and Mrs. B. M. Laverty, Mr. and Mrs. J. Duffy, Mr. and Mrs. H. G. Smith and party, Miss Frances Smith, Dr. Dermot Fitzpatrick, Mr. T. J. Banks, Mr. C. Ward, Mr. J. J. Tierney, Mr. and Mrs. E. Smyth, Mr. and Mrs. A. Roche, Mr. and Mrs. J. A. Hurson, Mr. Percy Harwood and party, Mr. and Mrs. J. Perry, Mr. and Mrs. D. C. Burke, Mr. and Mrs. Leahy, Mr. and Mrs. T. Gleeson, Mr. and Mrs. D. Murphy, Mr. and Mrs. T. B. O'Sullivan, Mr. and Mrs. P. Crowley, Mr. M. Corcoran, Mr. C. Collis, Mr. J. Draffin, Mr. J. O'Reilly, Mr. P. Rosney, Mr. Seamus Fox, Mr. J. Lalor, Mr. P. Lalor, Mr. B. R. Smith, Mr. and Mrs. Lehane, Mr. J. Kennedy, Miss M. Heraty and party, Miss B. O'Keefe, Miss B. Lyons and party, Mr. and Mrs. T. Mara, etc.

THE WEEK IN PARLIAMENT

by a Member of the Press Gallery, House of Commons

On December 19, 1945, Sir E. Graham-Little asked the President of the Board of Trade whether he was aware of the shortage of bottles for medical supplies which was impeding medical practice and which was due to lack of labour, and if he would include skilled bottle-makers as eligible for release under Class B. Sir Stafford Cripps replied that glass bottles generally were in short supply, but priority was given to bottles required for food, drink and medicines. "I am considering urgently with the Minister of Labour what further steps can be taken to increase the labour force in the industry, including the return of skilled workers."

Employment of German Scientists

A number of German scientists are to be brought to England, Sir Stafford Cripps announced on December 19, 1945. He was replying to a question by Captain Peart, who asked whether it was proposed to offer employment in this country to German scientists and technicians, and if he would give any indication of the numbers to be employed and the conditions of their engagements. Sir Stafford said it was the Government's policy to secure from Germany a knowledge of scientific and technical developments that would be of benefit to this country, and to make such knowledge available to those who could use it. "This step seems desirable since, although we were generally ahead, there are certain fields in which the Germans held a temporary lead."

Soap Rationing

Soap rationing again came before the House on December 19, 1945, when Wing-Commander Roland Robinson asked the Minister of Food the reason for the multiplicity of forms issued by his department in connexion with the rationing of soap; and whether he would assist all concerned in the soap trade by arranging a simplification of procedure in this matter. Sir Ben Smith replied that the minimum number of forms was being used to enable traders to obtain supplies of soap, and the procedure was as simple as possible. Wing-Commander Robinson: What is the advantage of having the dealers in soap spend a lot of time delivering these seven complicated forms which I hold in my hand? Sir Ben Smith: My information is that there are three. Mr. Lavers asked the Minister of Food whether he was aware that owing to the hard nature of the domestic water in the North-east, the present soap ration was inadequate; and what steps would the Minister take to remedy the present unsatisfactory position? Sir Ben Smith: While I appreciate the point made, the shortage of fats makes it impossible for me to increase the soap ration at present, and it is not practicable to differentiate between areas according to the type of water. Mr. Lavers: While appreciating the answer, may I ask if he is aware that in order to maintain a reasonable standard of cleanliness, our womenfolk are compelled to go round the shops in search of the remaining sticks of shaving soap—a most uneconomical and unsatisfactory state of affairs. Sir Ben: That is a little hard on the beard, but my problem is to get oils and fats to make the soap go round at all.

Closing Hours of Shops

Appointment of a Committee on closing hours of shops was announced recently by Mr. Chuter Ede (Home Secretary). With the Secretary of State for Scotland, he said, he had appointed a Committee to inquire into the provisions of the Shops Acts relating to closing hours (general or local), and to report as soon as possible whether any alterations were desirable; to inquire into and make recommendations as to extending, strengthening or modifying the statutory provisions relating to the health, welfare and safety of employed persons at places of employment other than those regulated under the Factories or Mines and Quarries Acts, and the statutory regulation of the hours of employment of young persons. For the purposes of particular inquiries into specified branches or aspects of these matters, the membership of subcommittees might be enlarged by the appointment of persons with specialised experience or qualifications. Sir Ernest Gowers, G.B.E., K.C.B., would be chairman of the Committee, and its members would be Miss Alice Bacon, M.P., Miss Elizabeth Campbell, Alderman Sir John Catlow, Miss Mary Ferguson, Major McCallum, M.P., Lady Nathan, Mr. G. R. H. Nugent, Mr. H. Plowman, Squadron-Leader Emrys Roberts, M.P., Mr. Andrew J. Shinnie, Mr. George Symington and Mrs. Barbara Wootton.

TOPICAL REFLECTIONS

Two Guiding Principles

In last week's editorial article "Unity and Confidence" (p. 711) you have struck a significant chord. Nothing is more important in facing the immediate future than unity of purpose and confidence in our combined efforts. Can we, in spite of the croakers, attain that unity and be sustained by that confidence? I think we can. The well-known sentence about England saving herself by her exertions and Europe by her example may well be applied in present circumstances to the British Commonwealth and Empire and to more nations than are contained in Europe. Mr. Churchill's "We shall never surrender" pronouncement in 1940 will no doubt find its way into many anthologies: today we have to confront a different but perhaps equally perplexing situation. Almost every day we are given fresh news of a world that, as you remark, "has yet to settle down and re-establish itself." There appears to be a determination in some quarters to make and to press sectional claims without regard to whatever waves of disturbance they may set up. So far as I can judge, the solidity—which is not the same thing as stolidity—of the British temperament is likely to prove a great asset in times of national or international friction, if such are to be our lot. In plain language, we are not going to be "rattled" but shall maintain a level-headed approach to the problems that arise.

James Clerk Maxwell

In compressing a recent reference to former scientists of Trinity College, Cambridge, I reluctantly omitted the name of one of the greatest of them, James Clerk Maxwell, the University's first professor of experimental physics. He was born at Edinburgh in 1831, and began to study at the University of that city in 1847. Even at that early age he was known as the author of a monograph entitled "The Description of Oval Curves," which had been accepted by the Royal Society of Edinburgh. In October 1850 he went to Cambridge; in the following December he was transferred from Peterhouse to Trinity, of which college he became a Fellow in 1855. From 1856 to 1868 he was successively professor of natural philosophy at Marischall College, Aberdeen, and King's College, London. Three years later he returned to Cambridge. A physical laboratory presented by the Chancellor of the University (the Duke of Devonshire) was opened in 1874, and Clerk Maxwell directed research there till his death in 1879. It may be that most pharmacists are but slightly acquainted with his work; if so, the explanation is probably to be found in the requirements laid down for their examinations. But everyone seriously interested in the history of science is aware of his far-reaching importance, especially in theories of heat and electricity. He forms an essential link between Faraday and those who, like Hertz, developed some of his own brilliant suggestions. Clerk Maxwell belonged to the select company who foresee the questions that science will be called upon to answer, and give an indication of the direction in which the answers are likely to be found.

Pharmacy in Vancouver

The article "A Pharmacist in Vancouver" (p. 706) provides material for comparison by retailers in this country, and information for students who may be thinking of seeking employment in Canada. Articles of this kind have a double interest: they describe general conditions in distant lands, and they give facts about prices and profits. There is no question in the present case of distance lending enchantment to the view, for the writer of the article is quite frank in disclosing a few drawbacks. Hours of business are, by present British standards, long. (Incidentally, it is noteworthy that while an assistant of unspecified age works only three hours daily, "as he is getting old," a young man of "about sixty-five" is on duty from noon till 10 p.m.) Multiple concerns, we are told, "hold all the main corners." That is not surprising; but I was unprepared to read, in connexion with the five pharmacies devoted entirely to dispensing, that the doctors in the "office blocks" in which these pharmacies are situated do their best to direct patients for dispensing to the dispensaries in their own buildings. That looks like unprofessional conduct or something very near it. However, all the prescribers of the city may be given good marks for abstaining from dispensing. Manufacturers and retailers in Vancouver are fortunate in having legislative protection against price cutting, with the right of taking offenders to court. Most of us will agree with the recorded conclusion of the author that his periodical profit and loss account "works out very well on the whole."

Xrayser

MARRIAGE

SPAANDERMAN—RAY.—On December 19, 1945, P. D. J. Spaanderman, M.P.S., 203 Sutton Road, Huthwaite, Mansfield, Notts, to Freda Ray, Teversall, Notts.

DEATHS

ARCHER.—On November 17, 1945, Mr. Thomas David Archer, M.P.S., 34 Quemerford Road, Holloway, London, N.7. Mr. Archer qualified in 1907.

AUCHINBOLE.—On December 17, 1945, Mr. David A. Auchinbole, Invercloy, Brodick, Isle of Arran. Mr. Auchinbole, who qualified in 1916, was the only chemist on the island.

BATCHELOR.—On December 10, 1945, Mr. William Batchelor, 12 Letchmore Road, Radlett, Herts, formerly of 56 Salusbury Road, Kilburn, London, N.W.6, aged eighty-two. Mr. Batchelor qualified as a chemist and druggist in 1887.

CARTER.—On December 12, 1945, Mr. James Charles Carter, M.P.S., 16 St. Edmunds Road, Ipswich, aged seventy-five.

CROFT.—On December 15, 1945, Mr. William Norman Croft, Ph.C., 105 Stockton Road, West Hartlepool, aged forty-seven. Mr. Croft qualified in 1920 and passed the Pharmaceutical Chemist examination in 1922. He had been in business on his own account for fifteen years.

GREENLIE.—On December 8, 1945, Mr. William Greenlie, M.P.S., 53 Balcombe Street, Dorset Square, London, N.W.1. Mr. Greenlie qualified in 1917.

HARVIE.—At Kilinn Cottage, Helensburgh, on December 21, 1945, Mr. Henry Taylor Harvie, M.P.S. Mr. Harvie qualified in 1899. He is survived by his widow.

JAMIESON.—At his home, 11 St. Stephen's Road, Preston, after a short illness, on December 29, 1945, Mr. W. R. Jamieson, F.C.I.S., chairman since 1923 of Ayrton, Saunders & Co., Ltd., manufacturing chemists, Liverpool. He had been associated with the company for nearly forty years. As a director of the Association of Manufacturing Chemists, Ltd., he was well known, both at home and overseas.

LANGTON.—On November 25, 1945, following a motor car accident, Mr. Richard Hughes Langton, M.P.S., 37 Station Road, Harlesden, London, N.W.10. Mr. Langton qualified in 1910.

LEVER.—On December 8, 1945, Mr. Harry Nuttall Lever, M.P.S., Merehall Pharmacy, Bolton, aged forty-eight.

REDPATH.—In Capetown, South Africa, on December 27, 1945, Mr. William Redpath, M.P.S., formerly of 377 Norwood Road, West Norwood, London, S.E.27, aged 101. Believed to be the oldest pharmacist in the British Empire, Mr. Redpath was born in Rothbury, Northumberland, and was registered as a chemist in 1868. He set up in business in West Norwood, where he was subpostmaster for sixty-eight years. In 1940 he went to South Africa as a war evacuee. Up to the last he went for a walk almost daily on Capetown's sea front.

ROBERTSON.—After receiving a fatal injury in a road accident on December 20, 1945, Mr. Sidney Robertson, M.P.S., Bedford, a director of Taylor, Brawn & Flood, Ltd., chemists, aged seventy-one. He leaves a widow and one daughter.

SMITH.—At Wilmslow Road, Fallowfield, on December 31, 1945, Mr. Robert James Smith, M.P.S. Mr. Smith qualified in 1914. The funeral took place on January 3.

SUFFOLK.—On December 9, 1945, Mr. Ernest Suffolk, M.P.S., 192 Woolaton Road, Beeston, Notts, aged sixty-eight.

TIMMS.—By a Japanese shell during February 1942, Mr. Daniel Timms, chemist and druggist, formerly employed at the Federal Dispensary, Ltd., Klang, Federated Malay States. Mr. Timms qualified in 1908.

TYLER.—On December 11, 1945, Mr. Albert Thomas Tyler, M.P.S., European manager for Parke, Davis & Co., London, aged sixty-one. Mr. Tyler qualified in 1906 after serving an apprenticeship in Brighton. After a term as representative, Mr. Tyler was in 1923 made the company's manager. In 1931 he went to Australia as manager of the Sydney branch of the company, and only recently took over the position of London and European manager upon the retirement of Mr. Ernest Pope.

WILSON—On December 19, 1945, Mr. John Lochhead Wilson, M.P.S., 15 High Street, Ayr, aged seventy-three. Mr. Wilson, a native of Irvine, qualified in 1898, and for some time managed a shop in his native town. In 1908 he removed to Ayr to take over the business of the late Mr. James McDerment, Central Pharmacy, Ayr. He retired in 1943. Mr. Wilson was unmarried. He was a keen golfer and was interested in football.

PERSONALITIES

NEW YEAR HONOURS.—Among persons whose names are included in the New Year Honours list are:—

Mr. J. Davidson Pratt

Major-General Ralph Bignell AINSWORTH (director of medical services, Joint War Organisation, British Red Cross and St. John); Paul Gordon FILDES, F.R.S. (director of chemical bacteriology, Medical Research Council); Professor Ian Morris HEILBRON, F.R.S. (lately scientific adviser, Ministry of Production); and Mr. Edward James SALISBURY, D.Sc., F.R.S. (director, Royal Botanic Gardens, Kew), *Knights Bachelor.*

Sir Edward Victor APPLETON, F.R.S. (secretary, Department of Scientific and Industrial Research), *Knight Grand Cross of the Order of the British Empire.*

Major T. KNOWLES (Coal Tar Controller, Ministry of Fuel and Power); Mr. T. MORAN (director of research and deputy scientific adviser, Ministry of Food); Mr. A. J. PHILPOT (director of research and secretary, British Scientific Instrument Research Association); Mr. J. Davidson PRATT (director and secretary, Association of British Chemical Manufacturers); and Mr. B. C. WESTALL (chairman and managing director, Thomas De La Rue, Ltd.), *Commanders of the Order of the British Empire.*

Major T. Knowles.

MR. WILLIAM C. CUNNINGHAM, M.C.P.S.I., has recently been ill in Dublin.

MR. JOHN RICHARD FETHNEY, M.P.S., was successful in a municipal by-election at Burghead on December 11, 1945.

MR. R. L. J. WILLS has been appointed private secretary to Mr. H. A. Marquand, M.P. (Secretary, Department of Overseas Trade).

MR. E. OSMOND ROWLAND, M.P.S., retired on December 31, 1945, after over thirty years as a representative for Wright, Layman & Umney, Ltd., London, S.E.1.

MR. ROBERT MARTIN (managing director, Bob Martin, Ltd.) was recently elected chairman of the Lancashire section, Incorporated Society of British Advertisers, Ltd.

MR. G. E. TREASE, B.Pharm., Ph.C., F.R.I.C., acting head of the School of Pharmacy, University College, Nottingham, has been appointed Reader in Pharmacognosy at the College.

MR. RICHARD CLITHEROW, M.P., M.P.S., has obtained the diploma in medicine, surgery, and midwifery of the London Society of Apothecaries, after studying at Liverpool University. He is now studying for the Bar.

THE HON. ERROL LIONEL DOS SANTOS, C.B.E., Financial Secretary of Trinidad, who receives a Knighthood in the New Year Honours, is a son-in-law of Alderman Charles Jenkin, M.P.S., Lower Bristol Road, Bath.

MR. J. L. HIRST has been appointed chairman and Alderman W. J. Tristram (president, Liverpool Chemists' Association) deputy-chairman of the medical benefit subcommittee of the Liverpool Insurance Committee.

THE Minister of Health (Mr. Aneurin Bevan) has appointed the following to be Under-secretaries of the Ministry: Messrs. I. F. Armer, H. H. George, J. M. K. Hawton, E. D. Macgregor, and Miss Evelyn Sharp. Mr. R. B. Cross has been appointed adviser on special services.

MR. SIDNEY TRAVES recently completed twenty-five years' service (first as sales manager and then as a director) with Scott & Turner, Ltd., manufacturers of Andrews liver salt. To mark the occasion, he was entertained to a private luncheon by his co-directors, when a presentation of silver plate was made to him.

MR. HUGH L. FREEMAN, only son of Mr. B. Freeman, M.P.S. (Freemans, Chemists and Opticians, Altrincham), has won an open scholarship in history to St. John's College, Oxford. He is only sixteen years and four months old, and is at present a pupil at the County Grammar School for Boys, Altrincham, Cheshire.

LEGAL REPORTS

In Possession of Opium.—At Liverpool, on December 18, 1945, Frank George Cassar, 65 Catherine Street, was fined £50 for being in possession of prepared opium, and £50 for being in possession of Indian hemp.

Alleged Photographic "Black Market."—At Liverpool, recently, thirteen persons and ten companies appeared on about 600 summonses to do with "black market" transactions in photographic material. The hearing was adjourned to allow time for the preparation of the defence.

Embezzlement Conviction.—At Perth sheriff court, on December 20, 1945, John McDougall, Lochernhead, admitted an indictment that while acting as a representative to Osmond & Sons, Ltd., chemists, Grimsby, he received on forty occasions between January 1, 1943, and October 23, 1945, sums of money varying from £1 to £30—which he embezzled—from various persons in Perthshire. The amounts totalled £278. It was stated in court that the accused was appointed an agent in 1942. He enticed people to make out cheques to him instead of to the firm by promising and paying small amounts of discount. On accused's behalf it was claimed that he had previously been a man of good character but had been injured during a bombing raid in London, and had been in hospital for mental treatment. He was sentenced to five months' imprisonment as from November 19, 1945, the date of his apprehension.

Pharmacy Act Case.—At Marylebone, London, police court, on December 20, 1945, C. J. Moynihan, trading as Brown's Cash Chemists, Ltd., 199 Shirland Road, London, W.9, was fined £5, with £5 5s. costs, on a summons that he sold by retail Ex-ake tablets containing codeine and acetanilide without being an authorised seller of poisons, and for selling the tablets in a container not bearing on the label the name and address of the seller. It was stated that Moynihan had been engaged in the drug trade for a considerable number of years. At one time he had employed as an assistant a qualified chemist, who had been called to the Forces in the early days of the war. While awaiting the return of the assistant he had sold only such items as he was permitted to sell, the remainder being set aside. Unfortunately, on the occasion in question, he had inadvertently sold the bottle from goods set aside.

PURCHASE OF BRISTLES

An arrangement which has been in existence between the United States and the United Kingdom for joint purchase of bristles in China and India terminated on December 31, 1945. Since January 1, bristles have no longer been subject to allocation by the Combined Raw Materials Board, nor are they on the "reserved commodity" list. The Raw Materials Department will continue to be sole buyer for bristles imported into the United Kingdom, from whatever source the bristles are imported.

Buying Procedure

The purchase procedure to be adopted is that any person in the United Kingdom may offer to acquire bristles from overseas provided that:—

(1) Every offer obtained is transmitted to the Department.

(2) The price quoted to the Department is the actual price quoted by the shipper and does not include commission or remuneration.

(3) The Department remains at liberty to accept or reject the offer or to make a counter offer.

(4) On acceptance by the Department, the offerer purchases the bristles and, acting as the principal vendor in relation to the Department, resells to the Department through a recognised bristle broker upon the terms of the formal contract for bristles issued by the General Produce Brokers' Association, London.

(5) In the event of an offer not being accepted by the Department, the person making the offer may apply for the release of the bristles with a view to a sale outside the United Kingdom.

(6) The price payable by the Department for any offer of bristles it may accept will be that determined under paragraph (2) above, plus 6½ per cent. for Chinese and 5½ per cent. for Indian bristles.

A rate not exceeding 6½ per cent. has still to be agreed upon for bristles from any other source. All rates are inclusive of brokerage commission payable by the sellers.

Persons wishing to participate in the arrangements should apply for the issue of the necessary licence under the terms of the Control of Bristles (Nos. 1 and 2) Orders, 1942, and application for such licences will be construed as acceptance of the terms. Applications and offers should be made to the Sundry Materials Branch, Ministry of Supply, 8–10 Old Jewry, London, E.C.2.

COMPANY NEWS

VEDEY LABORATORIES, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, etc. Julien L. Robinson and Saiyid Monawer Hosain, directors. R.O.: 235 Lanark Road, Maida Vale, London, W.9.

DR. MACKENZIE'S LABORATORIES, LTD. (P.C.).—Capital £12,000. To acquire the business of chemists carried on by Dr. Mackenzie's Laboratories, Ltd. John C. Gambles and T. H. Draper, directors. R.O.: 209–15 Blackfriars Road, London, S.E.1.

EMRYS EVANS (MOUNTAIN ASH), LTD. (P.C.)—Capital £2,000. To acquire the business of a chemist and druggist carried on by David L. E. Evans at 78 Commercial Street, Mountain Ash. D. L. E. Evans, M.P.S., 1 Park Lane, Aberdare; and R. H. Sleeman, M.P.S., directors. R.O.: Victoria Square, Aberdare.

BRITISH-EUROPEAN PHARMACEUTICAL CO., LTD. (P.C.).—Capital £50,000. Druggists, etc. Ian V. L. Fergusson (Evans Medical Supplies, Ltd.); Henry C. H. Graves (Vitamins, Ltd.); Raymond Greenwood (Allen & Hanburys, Ltd.); Norman H. Martin (Armour & Co., Ltd.); Seamus B. Morgan (Antigen Laboratories, Ltd.); Charles S. Saul (Boots Pure Drug Co., Ltd.); Frederick C. Oscar Shaw (The British Drug Houses, Ltd.), directors. R.O.: Tavistock House South, Tavistock Square, London, W.C.1. Mr. F. C. Oscar Shaw is the first chairman and Mr. W. J. Williams, M.P.S., F.C.I.S., is the secretary. The general manager of the new company is Mr. R. V. E. Humphrey (see Editorial note, p. 22).

Limited Partnerships.—HULL & CO., 238 Washwood Heath Road, Birmingham, pharmacists. Partnership from October 1, 1945, duration being dependent on life of partners. General partner, Dennis Hull, M.P.S.; limited partner, Nora Belsher.—WALLER & CO., 104 Weoley Castle Square, Selly Oak, Birmingham, pharmacists. Partnership from October 1, 1945, duration being dependent on life of partners. General partner, Robert H. Waller, M.P.S.,; limited partner, Nora Belsher.

ILFORD, LTD.—Net profit for the year to October 31, 1945, amounted to £151,536, against £145,766 in the previous year. Distribution on the ordinary stock will again be 12½ per cent.

DYESTUFFS INDUSTRY FOR INDIA.—Imperial Chemical Industries and the Tata Iron & Steel Co., Bombay, have come to an agreement to establish in India an industry for the manufacture of the whole range of dyestuffs, and their development to meet Indian market requirements. A public company is being formed in which both the capital and directorate will be predominantly Indian. As a first step, Tatas and I.C.I. will jointly form a development company under a chairman appointed by Tatas to undertake the necessary preliminary work and, in due course, to promote and manage the public manufacturing company. The arrangements made include the provision by I.C.I. of all the necessary technical information and knowledge at their disposal during the currency of the agreement, which is intended to run for a period of twenty years. The agreement further provides that, until such time as manufacture in India is capable of meeting the full demand of the country, dyestuffs made in India and those imported by I.C.I. will be sold jointly, so as to make available to the consumer a full range of products at all times.

ALLEN & HANBURYS, LTD.—Directors' report for the year ended June 30, 1945, shows a net profit, after making provision of £120,000 for taxation, of £50,752, against £54,016 in the previous year. The amount brought forward is £36,666, bringing the total to £87,419. From this is deducted £20,780 for interim dividends paid for the half-year ended December 31, 1944, leaving a balance of £66,639. The directors recommend the following appropriations: Final dividends on 6 per cent. preference and 7 per cent. and 8 per cent. preferred ordinary shares, £15,750; final dividend of 2s. per share (making 3s. in all for the year) on ordinary shares, £10,060; balance forward, £40,829. The report states that, notwithstanding restrictions on export sales and shortage of supplies and labour, the previous year's high record of total trading has been maintained, and the directors see no reason why high volume of trading should not continue, and even become increased during the post-war years, as they have ample evidence of a world-wide demand for the company's products. The directors to retire by rotation are Messrs. F. Capel Hanbury and J. C. Hanbury, who, with Mr. W. M. Clayson, offer themselves for re-election.

BUSINESS CHANGES

VERNON POWELL, LTD., have removed to 24 Dingwall Road, Croydon, Surrey.

ANZORA PERFUMERY CO., LTD., have removed to 145 Fleet Street, London, E.C.4. Telephone: Central 8559.

THE DALES ASPIRIN CO. removed their offices and works on January 1 to Barrows Lane, Steeton, nr. Keighley, Yorks. Telephone: Steeton 2347.

MR. E. R. PEARS, M.P.S., has acquired the pharmacy of Mr. Bernard Coppock, M.P.S., Berridge Road, Nottingham.

P. SAMUELSON & CO. (essential oils) removed on January 1 to Africa House, 44–46 Leadenhall Street, London, E.C.3.

BRITISH DISINFECTANT CO., LTD., South Grove, South Tottenham, London, N.15, state that their new office telephone numbers are Tottenham 4844–45.

HARLOW & LAWRENCE, LTD., chemists, Chapeltown, Sheffield, took over on January 2 the business of Mr. J. W. W. Nicholson, M.P.S., 5 Page Hall Road, Sheffield, 9.

THE BRITISH BRUSH MANUFACTURERS' ASSOCIATION removed on January 1 to 80 Coleman Street, London, E.C.2. Telephone: Monarch 4871 (two lines).

MR. J. W. KNIGHT took over the position of Director of the Oils and Fats Division, Ministry of Food, on January 1. Mr. G. R. Oake became Deputy Director.

MR. DONALD MACLEARY, M.P.S., has acquired the pharmacy at 58 Tomnahurich Street, Inverness, formerly carried on by the late Mr. Robert Macdonald, M.P.S.

MR. E. MARGERRISON, M.P.S., Oakengates and Donnington, Salop, has acquired the old-established pharmacy of Mr. C. R. Picken, M.P.S., 121 High Street, Newport, Salop.

MR. N. V. KIPPING resigned from the Board of Trade at the end of December 1945 in order to take up an appointment as director general of the Federation of British Industries.

MR. W. F. BYATT-SMITH, M.P.S., is taking up an appointment on January 1 as resident pharmacist with J. R. Gibbs, Ltd., chemists' sundriesmen, Manor Avenue, Paignton, Devon.

THE CEFN (nr. Wrexham) CO-OPERATIVE SOCIETY, LTD., took over the business of Mr. John Owen, M.P.S., Melbourne Pharmacy, High Street, Rhos, Wrexham, on January 1. Mr. Owen will continue to act as manager of the pharmacy and optical departments.

DAVIS & DAVIS, chemists, New Malden, have taken over, as from January 1, a business at 364 Malden Road, Worcester Park, formerly carried on by Mr. Sidney Brown, M.P.S. [Corrected note.]

BLUE MASK & TEMU PRODUCTS, LTD., and CARIA RADIUM, LTD., have removed to 3 Mill Street, Conduit Street, London, W.1. Telephones: (Blue Mask) Mayfair 4785; (Caria Radium) Mayfair 4787.

MR. E. C. LAMPARD, M.P.S., a representative of Evans Medical Supplies, Ltd., has now been released from H.M. Forces and will be taking up his work as medical representative in the South-west area in the New Year.

MR. EDWARD TRANMER, M.P.S., took over on January 1 the business of his father, Mr. H. M. Tranmer, M.P.S., 42 and 133 High Street, Smethwick, on the latter's retirement. He will continue the business under its present title.

MR. ARTHUR TAYLOR, M.P.S., 106 Mosley Street, Blackburn, Lancs, successfully appealed on October 4 against a refusal of the Blackburn town council to allow him to convert vacant premises at 140 Mosley Street into a pharmacy.

MR. G. CALDER has been appointed to take charge of the Division responsible for the regional organisation of the Board of Trade. He will also be responsible for the administration of the Distribution of Industry Act, 1945, and cognate matters.

LIEUTENANT-COLONEL W. A. NEWTON JONES, M.B.E., has returned from six years' military service, four-and-a-half of them overseas with the Eighth Army, and has joined the board of W. H. Jones & Co. (London), Ltd., buyers, confirmers and shippers, Rusper, Barnet, Herts, England. He will become a full-time working director.

DENTESIVE, LTD., and its associated distributing company, Don S. Momand, Ltd., removed their offices on January 3 to 57 Albany Street, London, N.W.1. Production is being transferred during the week commencing January 14 to Bridgend Trading Estate, Bridgend, Glamorganshire, where Messrs. Momand will have their warehouses. All communications should be sent to the offices at the above address.

TRADE NOTES

Waterproof Sheeting.—Ioco, Ltd., Anniesland, Glasgow, W.3, offer hospital bed sheeting and jaconet, rubber airbeds, cushions, pillows, etc., for medical and surgical requirements.

DDT Dusting Powder.—James Cox & Co., manufacturing chemists, 30 York Road, Northwood, Middlesex, have introduced a dusting powder based on DDT-Geigy, and available in sprinkler-top tins.

In Full Supply.—British Cod Liver Oil Producers (Hull), Ltd., St. Andrew's Dock, Hull, state that, as the company's trawlers are again in full service in their peace-time occupation, Seven Seas cod-liver oil is available in plenty for distribution through pharmacists.

Poultry Conditioner.—A recommendation to prepare now for the Spring demand for Stocksense concentrate poultry conditioner is made by the manufacturers, Bob Martin, Ltd., Southport, Lancs. Ample supplies of the conditioner are available in drums of three sizes and in sacks.

Immunisation of Lambs.—Evans Medical Supplies, Ltd., point out that orders for Evans' lamb dysentery serum for immunising newly born lambs should be placed at once in order to ensure that sufficient stocks are in hand in readiness for the forthcoming lambing season. The serum is available in containers of 50 and 100 c.c.

Supplies Reserved.—An announcement in this issue by the makers of Paludrine, the new anti-malarial (Imperial Chemical (Pharmaceuticals), Ltd., 89 Oxford Street, Manchester, 1), points out that Paludrine is not yet available for sale as all supplies are at present being reserved for use in further clinical investigations. A leaflet with preliminary information about the product is, however, available on request.

American Tour.—Sir J. Stanley Holmes, M.P., chairman and managing director of Beecham Group, Ltd., has left for New York in the "Queen Mary" to hold a conference there with Beecham executives from the United States, the Latin-American countries and Canada. He is accompanied by Mr. G. A. Dunbar, M.C. (managing director, Beecham Export Corporation, Ltd.).

M. & B. Horticultural Products.—May & Baker, Ltd., Dagenham, Essex, draw attention to their specialities Cyclosan 4 per cent. calomel dust, for use in controlling plant pests, and Serodix root-forming hormone. New horticultural products are in course of development by the company, and an early announcement may be expected. The distributors in Scotland are Wilson & Graham, Ltd., Bank Street, Dundee.

Violin Varnish.—A letter from Duncan, Flockhart & Co., manufacturing chemists, Edinburgh, appeared recently in the "Daily Record," Glasgow, pointing out that for almost fifty years the company had manufactured and supplied to many parts of the world a violin varnish prepared from amber treated by a special process. The letter disputed a claim put forward by a contributor in an earlier issue that he was the sole possessor of a "precious secret" for making violin varnish.

Tooth-brush Material to Cost Less.—Members of the British Brush Manufacturers' Association have been notified of reductions in the prices of Nylon monofilament, effective from January 1. The reductions have been announced by Imperial Chemical Industries, Ltd., as part of "a general policy to pass on to customers the benefits of increased production." The makers trust that the reduced prices will be of help to the brush trade in recovering its position in the home and export markets.

Proprietary Articles Trade Association

THE council of the P.A.T.A. announce that Allen & Hanburys, Ltd., have accepted an invitation to rejoin the manufacturers' section of the Association. From January 1, all proprietary preparations of the company included in the public specialities section of the company's price list, and all Torch brand products included in the list, are protected by the P.A.T.A. at the prices quoted.

Addition to Protected List.—*Potter & Clarke, Ltd.*, Potter's Tyro-Lol germicidal antiseptic, 4 oz., 7s. doz., tax 1s. 2d. doz., inclusive retail price 1s.; 16-oz., 20s. doz., tax 3s. 4d. doz., i.r.p. 3s.; 1 gall., 9s. 6d. each, tax 1s. 7d. each, i.r.p. 13s. 7d.

Alterations.—*British Colloids, Ltd.* From January 1, discount to retail chemists is increased from 25 to 33⅓ per cent. The discount applies (so far as the P.A.T.A. List is concerned) to all Crookes' products except halibut-liver oil and capsules which continue to bear only 25 per cent.

Potter & Clarke, Ltd. (prices in Eire). Retail selling prices of the following products are now in operation: Potter's asthma remedy, 2s. 3d.; asthma cigarettes, 2s. 3d.; asthma smoking mixture, 1s. 3d.; catarrh pastilles, 1s. 6d.

MINISTRY OF HEALTH REPORT

THE summary report of the Ministry of Health for the year ended March 31, 1945, was issued recently. It contains the following among other information.

Distribution of Penicillin

The therapeutic advances possible now that penicillin is more readily available are not considered suitable for comment in the report; but a brief account is given of the machinery required for the distribution of penicillin, made available through the Ministry of Supply from producers either in this country or from the United States. Supplies of American penicillin sufficient for the treatment of all Service patients requiring it became available before the invasion of Europe, and were distributed to Emergency Medical Service hospitals receiving casualties. By August 1944, British supplies were sufficient for a limited distribution to hospitals for the treatment of civilians suffering from conditions dangerous to life, and for which no other effective remedy existed. Because the amount available was small, careful control of its use was required.

All Service patients who would receive benefit from treatment with penicillin were eligible to receive it. Supplies for the purpose were distributed partly through the regional consultant advisers in pathology and partly through the transfusion service. In the early stages of distribution for the treatment of civilians, the university medical schools and their attached teaching hospitals were adopted as the channel for supplies. The universities set up committees to select hospitals to which supplies were to be allocated. Hospitals with facilities for close bacteriological control, which alone can prevent wastage, were chosen for the purpose, and they were so located that treatment was brought within reach of all parts of the country. Before distribution began, short courses of instruction were given to selected members of staffs of the hospitals due to receive supplies. Demonstrations were often arranged later in the hospitals to diffuse the knowledge among the rest of the staff.

At first, penicillin was used rather slowly in the treatment of civilians, but increasing experience led to a rapid increase in demand. When supplies became more plentiful, and experience of its use more general, the basis of distribution was increased, shortly after the end of the period under review, by appointing some 200 of the major hospitals as distributing centres for smaller hospitals in their localities. Sufficient was then available for most purposes, and, though therapeutic difficulties still restricted its use largely to patients who could be admitted to hospital, a limited supply was made available to general practitioners.

Up to the present, the cost of British penicillin has been borne by the Treasury. The present machinery for distribution is necessarily only temporary—it is a burden which the universities cannot be expected to carry indefinitely, though their assistance was indispensable in the early stages. Penicillin has been scheduled under the Therapeutic Substances Act. It can now be manufactured for sale only under licence from the Minister of Health, and must conform to prescribed standards.

Pharmaceutical Service

The Central Pharmaceutical War Committee, under the chairmanship of Mr. F. G. Wells (president, Pharmaceutical Society of Great Britain) continued its efforts to secure release of the maximum number of fit men for service with the Forces, while maintaining an adequate pharmaceutical service for the civilian population within the restricted limits imposed by war-time conditions. As an approved agency under the Employment of Women (Control of Engagement) Order, the Committee dealt with the placing of women employed in pharmacy who fell within the age groups covered by the Order. A compulsory census compiled under the Pharmacy Undertakings Order, 1942, was of considerable assistance to the Committee in dealing with the allocation of both men and women employed in pharmacy. As with doctors, the withdrawal of pharmacists for the Forces left little margin for dealing with emergencies, but it was not necessary to bring into operation the "epidemic precaution" arrangements, by which relief could have been provided by serving pharmacists where local resources proved unequal to the strain.

National Health Service

A White Paper on a National Health Service, published in February 1944, stated that the proposals contained in it were intended to be freely examined and discussed. One of the purposes of the White Paper was to provide a focus for discussion of all the detailed ways and means of attaining its clearly defined objective—a

comprehensive service of health for all who wish to take advantage of it. It was considered that a full period should be given to discussion with the main professional and other organisations that would be directly concerned in the new scheme, and whose expert help in framing its organisation would be valuable.

In the year under review, discussions proceeded with the various organisations representing the local government authorities, the medical, nursing and other professions, the voluntary hospitals and others. The discussions were aimed at ascertaining the detailed views of the several interests affected, at enlisting their experience in the wide range of administrative and other problems involved in organising the new service, and generally at a free and helpful exchange of ideas preliminary to decisions being taken as to the legislative scheme to be put before Parliament.

TOILET PREPARATIONS LICENCES

THE value of licences issued to manufacturers whose names are entered on the Toilet Preparations Register, permitting the manufacture and supply of goods controlled under Toilet Preparations Orders during the six months from January 1, 1946, will normally be calculated at the following rates: (1) For registered manufacturers participating in approved concentration schemes—37½ per cent. (as before); (2) For registered manufacturers not participating in approved concentration schemes—25 per cent. (increased from 16⅔ per cent.).

The standard period on which these values will be based remains the year ending May 31, 1940. No licence issued to a registered manufacturer will normally be for an amount less than £375. The rate of licensing for concentrated firms thus remains unaltered and the rate of licensing for unconcentrated firms will be increased from 16⅔ per cent. in six months to 25 per cent., the normal minimum licence being increased from £250 to £375 for the six months' period. Manufacturers are reminded that: (1) They may not supply under their licence controlled goods of any description not specified in the schedule to their licence; (2) controlled goods may be supplied only in containers of a size specified in the licence unless supplies in bulk are expressly permitted; (3) the value given in the schedule to the licence in relation to each item of controlled goods is the minimum value which may be counted against the licence in respect of such goods; and (4) manufacture may take place only at the premises named in the licence.

The Board of Trade has impressed upon the toilet preparations industry that the need to increase exports is very great. Discussions about the best way of expanding exports have been proceeding with representatives of the industry, and the increase in the rate of licensing for unconcentrated firms from 16⅔ per cent. for six months to 25 per cent. with a corresponding increase in the normal minimum licence is the first step in this direction. Further discussions are in progress with a view to deciding what other measures should be taken.

SCOTTISH PANEL CHEMISTS

A MEETING of the General Council of Panel Chemists (Scotland) was held in Edinburgh on December 19, 1945, Mr. F. W. M. Bennett in the chair. Mandates were presented from delegates unavoidably absent. The financial statement, duly audited and showing a favourable balance, was submitted and approved. In accordance with a decision reached at a meeting of the General Council held on November 14, 1945, a deduction had been made from the income from the Expenses Fund for transmission to London as a donation to the Society's War Aid Fund; the amount totalled £286. A vote of thanks was awarded to Mr. Innes for his work in auditing the accounts.

N.H.I. Terms of Service

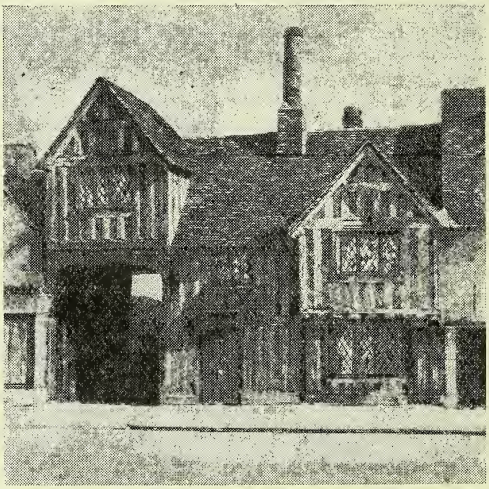
It was reported that a letter had been received from the Department of Health agreeing that the new terms would be on a scale of dispensing fees derived from the scale in operation before 1942 by the addition of threepence to every dispensing fee. Prescriptions dispensed since October 1, 1945, would be priced in accordance with the increased scale thus defined, which would continue in operation pending the introduction of the National Health Service, so long as circumstances remained substantially as at present. Its adoption was entirely without prejudice, either on the part of Scottish pharmacists or on that of the Secretary of State, to arrangements for remuneration of pharmacists in the National Health Service.

It was agreed to issue a new Drug Tariff in January; that the December 1945 Appendix should embody the new Terms of Service; and that a copy should be sent to each individual panel chemist.

"PHYSIC FARMERS" FOR A CENTURY

A Brief Account of the Activities of William Ransom & Son, Ltd., Hitchin, Herts

TO name in one word—or even in two—the many-sided business of William Ransom & Son, Ltd., may well present a problem to the most ingenious coiner of words. Restricted, or rather specialised, as the range of the company's wares is—extracts, tinctures, resins, essential oils, chlorophyll and active principles—the handling of many of them begins before cultivation of the natural material and extends beyond distribution of the processed product. The roots of this century-old family business may be firmly set, as they are, in rural England, yet it holds the world in fee for non-indigenous medicinal plants from which there are virtues to be extracted. So wide an interest in so narrow a range of goods must be rare, if it is not, indeed, unique. To say that the organisation defies classification is thus not in any way to exaggerate. "Mr. Ransom's Physic Farms"—a picturesque description applied in 1863 by Mr. Charles Quin, F.C.S., writing in THE CHEMIST AND DRUGGIST, remains apt, but tells only part of the story. It conjures up a true image in which agriculture is linked with medicine, but leaves out of account the manufacturing and other ramifications that have developed during the succeeding four-fifths of its existence.



The Gatehouse, Bancroft, Hitchin, entrance to the factory of Messrs. Ransom.

Modern Manufacture

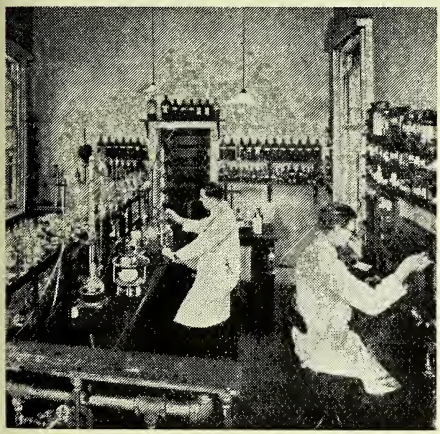
What is the story behind this highly individual, yet essentially pharmaceutical, concern? A visitor approaching the works through the timbered gatehouse at Bancroft, and noting its leaded panes and quaint overhanging gables, might be excused for supposing that the business to which it gave entrance belonged to times past. An office housed in a creeper-covered seventeenth-century malthouse contributes little to dispelling the impression. Only when he passes into the manufacturing departments is the onlooker brought abruptly back into the present. Here the process of distillation—venerable as it is—proceeds in vast vacuum stills of the present machine age. Continuous extractors and condensers, percolators and filters operate on massive quantities of natural botanic materials, neighboured, it is true, by carboys and demijohns of a greater age and more homely outline. To the twentieth century belong also the company's handsome research laboratories, the still rooms, and some of the grinding, sifting and drying rooms—notably the thermostatically-controlled tunnels in which hot-air currents produce a dried herb with all its natural properties retained. Through these tunnels the fresh plants pass on railed trolleys, each with its forty wire trays of material, to emerge dry and ready for use either immediately or later. The tincture room, constructed a decade before the second world war broke out; a new wing to the main manufacturing laboratory; and an aloin manufacture department opened during the year 1940, tell their own tale of life, development and expansion based on deep and robust roots. The latest dryer has a capacity of several tons daily. To feed it, the fresh plants—belladonna or foxglove or henbane—are first machine-cut to a practical size, then spread out on the drying tables for four or five hours. Air at a controlled temperature is passed through at a rate of many thousands of cu. ft. a minute. The dried material is disintegrated by raking, and the broken leaves fall through screens on to trays below, only the stalks remaining. For storing, the

dried leaf-parts are packed into light-proof, damp-proof paper bags.

Specially Treated Materials

Gentian and colocynth, cascara and liquorice are treated in digester vats in special vat rooms. Vacuum extractors enable the processor to work at much lower temperatures than otherwise, and thus avoid risk of injury to the constituents of dandelion, broom, belladonna and gentian. Covered with menstruum in correct amount, the contused drugs macerate for the required interval before the liquor is drawn off and evaporated under reduced pressure. For other drugs—quassia, bearberry, liquorice—open steam-heated evaporating pans are used for the entire process of preparing soft extracts of full activity. Partial evaporation is applied to cascara and krameria.

Sun Street, Hitchin. Third from right: William Ransom's pharmacy.



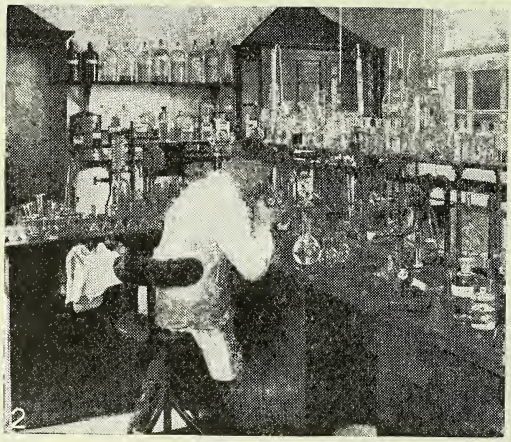
A view of the analytical laboratory

The "extracts pro," for which Messrs. Ransom first gained a market in the export field, but later introduced also at home, are turned out in continuous-extractor stills. The process became popular as a method of avoiding bonding difficulties.

Key to Character of the Business

So far, what has been described has been work that might be witnessed at the factory of any manufacturer of galenicals. What distinguishes the Ransom organisation is that so many of its raw materials are not bought in Mincing Lane or other open markets, but grown on its own farms. Therein lies the special character of the business. Cascara from North America and aloes from the West Indies may be no less important, considered as raw materials, than belladonna and henbane. Historically, they do not offer the same clue to the individuality of this very exceptional organisation. To trace back the belladonna to its cultivation is to arrive not merely at a farm but at the very origin of the business.

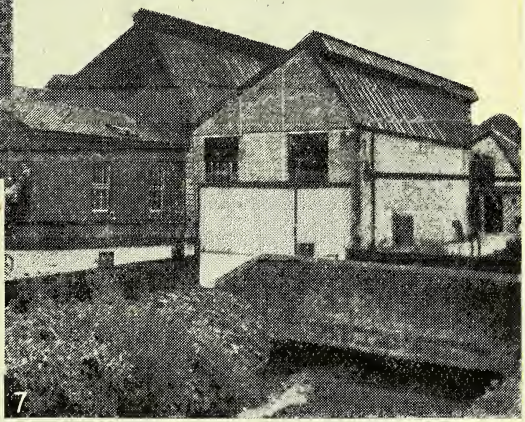
After William Ransom (1826–1914) had completed his pharmaceutical apprenticeship at Bull Street, Birmingham, under Thomas & William Southall, he returned to his native Hitchin to open a pharmacy in Sun Street. Keenly interested, like most young pharmacists, in all aspects of his craft, he made use of some of the land on his father's farm to cultivate medicinal and aromatic plants. Many have embarked upon, but few have been successful in, such a venture. William Ransom had the right blend of vision, knowledge, background and tenacity, and his success was assured from the start. It may be that his first distillations were carried out in the simple copper still that remains in the company's possession, and which was used by his grandmother for distilling sweet herbs. Before long, however, he had acquired apparatus more suited to commercial pro-

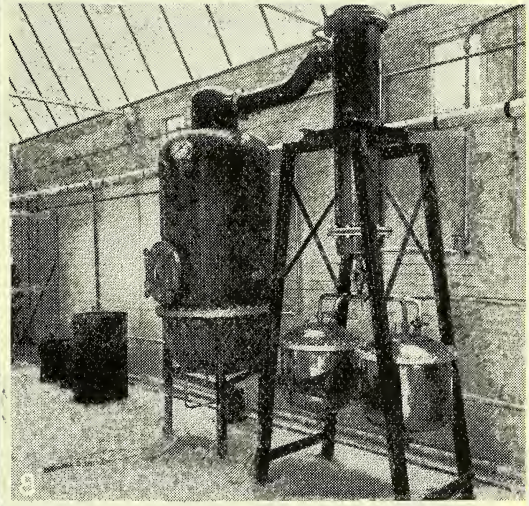


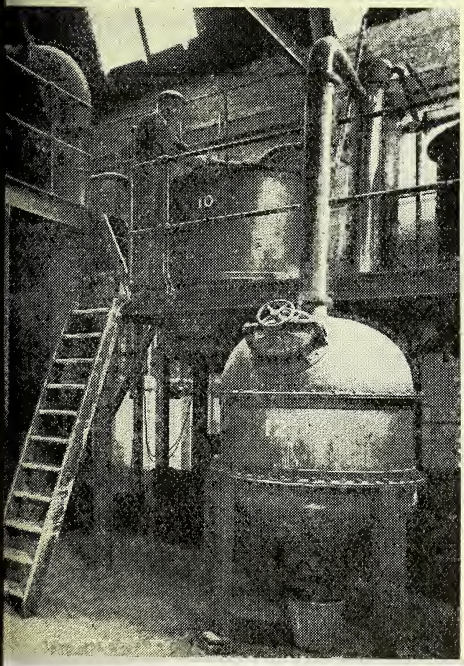
1. A scene from the past: cutting pepperm
herb with scythes on the Ransom farms.
method has been superseded by machine
ting. 2. At work in the analytical laborat
3. Young henbane plants in cultivation. 4
the foxglove woods on the Ransom farmla

FROM FIELD TO STILL

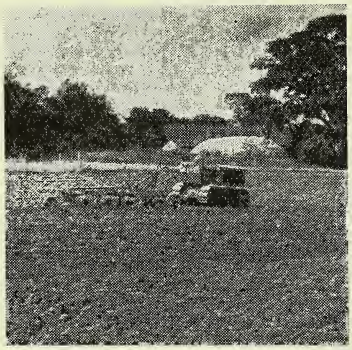
Scenes at the "Physic Farms" and Manufacturing Laboratories of William Ransom & Son, Ltd., Hitchin, Herts

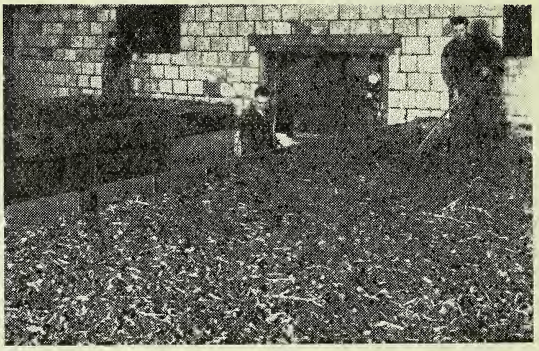






5. Evaporating vats in use in the preparation of soft extracts in the main laboratory. 6. A corner of the principal still room. 7. Exterior view of part of the factory building. 8. Vacuum still used to permit distillation at temperatures below those which would harm the constituents





Left: Tractor at work on the Ransom farms. *Right:* Section of the latest drying room, with a capacity of several tons of plants daily.

duction—and had gained, at the same time, a reputation as cultivator and distiller. In 1862 this enterprising pharmacist secured a prize medal for "pharmaceutical extracts, essential oils and dried herbs of superior quality" at the International Exhibition. Thereafter, as often happens, the sidestream became the main current of the business. In the neighbourhood of Hitchin William Ransom found the right soils and conditions for cultivating belladonna, peppermint, foxglove, lavender. His original acreage was about seventy. Today, the area under medicinal plants on the Ransom farms is over 200 acres. Culinary herbs are also now grown, and every year there takes place in the neighbourhood an organised collection of wild material (dandelion, buckthorn, hawthorn berries). Traditional harvesting methods with scythe and sickle have given place to machine-cutting, and rule of thumb to analytical control and scientific fertilising. Nevertheless, the art of cultivation is still much in evidence on the Ransom farms and estates.

For example, hand-hoeing is still a favoured method of cultivating the young plants, although more modern methods of cultivation and collection have been introduced in other directions in order to cope with the additional yields from the larger acreage under cultivation today. Close studies have been made of the problem of selecting the most suitable fertilisers, both chemical and natural, for each crop individually considered. Only thus is it possible to maintain maximum yields per acre and maximum content of active constituent per plant. As would be supposed, natural farmyard manures are extensively used for many of the medicinal crops, but there are special applications of other nitrogen-rich materials, many of them specially devised and blended in the company's works.

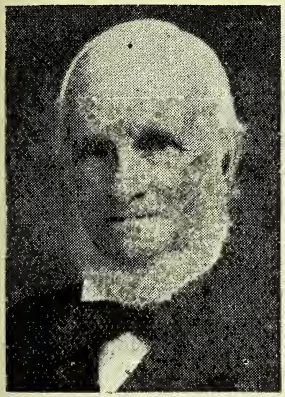
Medicinal plants present their own problems in the realm of pest control, and much

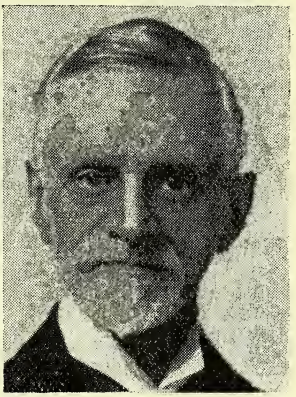
Present directors and staff of William Ransom & Son, Ltd.

intensive research has been conducted, both in the Ransom laboratories and by independent scientific investigators working in collaboration with the company's scientific staff.

Family Tradition

In the control of such a business as has been described, great importance obviously resides in the scientific attainments and breadth of outlook of its controlling figures. Enough has already been said of the "scientific curiosity" of the founder to establish fully his fundamental contribution to the company's development, but his other interests are worth a mention. As an archæologist, William Ransom by personal study became an authority of paleolithic and neolithic flints, and his collection of Roman pottery, coins and glass were well-known to connoisseurs. Recognition of his services to science were given in his being made a Fellow of the Linnean Society and of the Society of Antiquaries. William Ransom was also a figure in the public life of the local community. From 1875–80 he was a member of the Hitchin Local Board, of which he was chairman from 1880 to 1895. In the latter year the local Board was incorporated into the Urban District Council of Hitchin, and Ransom served for two years on this body before retiring in 1897. For thirty years he gave of his services to the local Board of Guardians, he was a local Justice of the Peace, County Councillor and Commissioner of Taxes. William Ransom died at the age of eighty-eight. The scientific reputation of his son, Francis Ransom, Ph.C., was then well established. After being educated at Quaker schools, Francis Ransom followed his father's footsteps in a Birmingham training in pharmacy experienced at the pharmacy of Southall Brothers & Barclay. He passed the Minor examination of the Pharmaceutical Society in 1882, and three months later entered the Society's own school of pharmacy at Bloomsbury Square, where, in the following year, he took certificates in all subjects and passed the pharmaceutical chemist examination. His interests were then centred in the field of research, especially in research concerned with crude drugs. With Professor (afterwards Sir Wyndham) Dunstan, he worked on problems of belladonna in the laboratories of the Pharmaceutical Society, and from 1885 presented a series of papers on the chemistry and pharmacy of belladonna. For some years he was the secretary and later the vice-president (1903) and president (1910) of the British Pharmaceutical Conference. For many years he was in entire control of the management of the concern, but not until 1913 was the partnership incorporated as limited liability company, with himself as chairman.





Three generations of the Ransom family: *Left*, Mr. William Ransom, M.P.S. (1826–1914). *Right*, Mr. Francis Ransom, Ph.C. (1859–1935). *Centre*, Mr. Richard Francis Ransom, B.Sc. (present chairman).

Mr. Richard Francis Ransom, the present chairman of the company, became a director in 1932. His studies in chemistry and botany were carried out at Cambridge, where he took his degree in science in 1927. Other present directors are Messrs. R. H. Mathew, who joined the company in 1939, C. J. Widdows, and Leonard Edward Pearce, who joined the board of directors in 1945.

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VOL. CXLV JANUARY 5, 1946 NO. 3439

Milestone Seventy-eight

FIRST copies of *The Chemist and Druggist Year Book*, 1946, are now going out to subscribers. In an annual series that has guided generations of pharmacists through technical and commercial quicksands, the work is both a milestone and a fingerpost. It calibrates past progress, but also points the way to solving some of the problems that are almost certain to arise along the uncharted road through 1946. In retrospect, raised as it is at the cross-roads between a catastrophic war and what all hope will be an expanding peace-time trade, the *Year Book* may prove to have had even the importance of a landmark.

Certainly for a publication that still bears the device "War Economy Standard," the production is noteworthy. What strikes the reader in the advertisement pages—usually the first to be seen—is their profusion of colour and variety of design, almost achieving that "magnificence" of which, according to Emerson, a creative economy is the fuel; the editorial pages present an array of information that creates an illusion of circumventing the restrictive hand of the Paper Controller.

As in all good landscapes there are familiar features—changed only in detail, like the pattern of a hedgerow. Many pages are again devoted to local pharmaceutical branches and associations, revised to a point twelve months later than the previous list and, as always, the most complete and convenient guide available to pharmaceutical organisations. Another perennial item, the Poisons Regulations, is this year substantially changed and increased by the inclusion of new legislation from Northern Ireland, with its attendant poisons schedules. Based on the 1933 and 1941 Acts of Great Britain, the Northern Ireland Act incorporates modifications that may in their turn affect future legislation in this country. It therefore merits study by all British pharmacists. "Public and Professional Offices" has been made substantially more comprehensive, while articles on Purchase Tax and the Limitation of Supplies have, on the other hand, been curtailed because of likely Budget changes early in 1946.

New items in the *Year Book* summarise the present control positions of certain goods and employments, following amendments to and modifications of the original enactments. Among these are the residue of the so-called "Scarce Substances" and their alternatives; an outline of the labelling requirements for vitamin-containing foods; and a *résumé* of the present (restricted) powers and activities of the Central Pharmaceutical War Committee. Scientific progress is reflected in practical notes on how to dispense penicillin preparations. Progress in industrial relations is acknowledged in tabulated minimum wage rates for employees in shop pharmacies; the rates are those agreed upon by the National Joint Industrial Council for Retail Pharmacy, the formation and development of which are also concisely recorded. Inclusion of the scales of charges for developing and printing of the Photographic Dealers' Association may prove of much or little value, according to the quantities of photographic materials that will be made available to the public in 1946. Manufacturers of insecticides will be glad to have at hand a readily available summary of the sales policy adopted by the makers and distributors of that important organic chemical, DDT. It is fresh in everybody's mind that this was introduced into civilian industry during the past twelve months.

Subscribers will recognise that the peculiar problems involved in a change-over from war to peace present special difficulties to the compilers of an annual compendium of information. The Editor is confident,

however, of a welcome for the items that have been included, however much it may be regretted that others have had perforce to be omitted; some of the omissions, doubtless, will be made good when the paper situation becomes easier. Under existing conditions, dispatch of copies is necessarily spread over a period. The indulgence is accordingly sought of subscribers who, by reason of delay in receiving their copies, are less fortunate than others.

Overseas Trade Developments

THE Company News section of this issue (p. 9) contains announcements of two important developments in British post-war business enterprise. Seven well-known drug trade manufacturing houses have combined their resources to form the British-European Pharmaceutical Co., Ltd., for the purpose of marketing medical products in certain European countries. For the time being the countries selected for the group's activities are Belgium, Bulgaria, Czechoslovakia, Denmark, Finland, Greece, Holland, Italy, Jugo-Slavia, Norway, Poland, Portugal, Rumania, Spain, Sweden and Switzerland. Until the defeat of Germany that country was the principal supplier of medical products to the territories named, so that this proposed form of co-operative selling may be taken as indicative of the determination of certain British manufacturers to capture these markets. Although further details of the group's plans are not yet available, it is evident that no time must be lost in entering and developing these markets for the benefit of British export trade. Mr. R. V. E. Humphrey, the general manager, expects to leave at an early date to make extensive market surveys in Europe.

A business development that will add materially to the resources of India by enabling local market requirements for dyestuffs to be met within the country is contained in an agreement (p. 9) between Imperial Chemical Industries, Ltd., and the Tata Iron & Steel Co., Bombay. The agreement provides for the manufacture in India of the complete range of dyestuffs, and for its development to meet the needs of the Indian market. The necessary preliminary work will be undertaken by a development company under a chairman appointed by Tata which will in due course promote and manage the company.

An Industrial Exhibition in 1946

THE coming year is likely to be one of the most momentous that British industry has ever had to face in peace-time. An overwhelming demand for goods both at home and abroad has to be met by industries which, in many instances, are deficient in man-power and raw materials. In face of such demands, there may be some temptation to produce goods whose sole merit is that they satisfy the needs of the moment. Such a policy, which ignores the wisdom of making goods today that will be their own advertisement tomorrow, would be deplorable and perhaps fatal.

At the present time there is an opportunity to break new ground. To meet it British manufacturers should not only produce goods of first quality. The world is ready to absorb all the goods that can be produced within the next year or so. Pioneers in design especially have a chance that may never be repeated. For once they can set the pace, without risk of finding themselves too far ahead of the field. They can combine with traditional quality a soundness of design, plus a touch of showman's art. In July 1946 the Council of Industrial Design is to hold an exhibition: "Britain Can Make It." For the first time in the post-war era, the curtain will be lifted upon a representative selection of products with which British industry hopes to capture the goodwill of home and overseas markets. All firms will have an opportunity to compete, through the various executive committees which individual industries are setting up. The regional branches of the Ministry of Aircraft Production and Supply, Board of Trade, and Chambers of Commerce are prepared to advise and encourage firms in preparing goods for submission to the Council's selection committees.

This is industry's first great chance to demonstrate how British designers and technicians tackle an industrial test that may be compared to the military test the country faced in 1940. Upon the vigour with which industrialists set about their task will depend national prosperity.

QUESTION AND ANSWER AT MIDDLESBROUGH

At a meeting of the Tees-side Branch of the Pharmaceutical Society held in Middlesbrough on December 12, 1945, Mr. D'A. Bray presiding, the speaker was Mr. W. J. Tristram, who explained the work of the Joint Committee on a Pharmaceutical Service. He was not satisfied with the representation of pharmacy on the Central Health Council, but the matter was being pursued in accordance with views expressed at the 1945 delegates' conference. Adequate representation at the area level was also necessary. On any and every occasion the Joint Committee was stressing that, when pharmaceutical work was indicated, it should be done by pharmacists and that a patient attending a health centre should retain the right to have his prescription dispensed by a pharmacist of his choice. It was hoped that, in any new health scheme, there would be complete separation of prescribing from dispensing. Under the new arrangements, pharmacists locally were likely to have to give a twenty-four-hour service. The question of remuneration had not yet reached the discussion stage, but it was evident that, with the ever-increasing advances and demands in pharmaceutical education, there would have to be a substantial increase in the dispensing fee. In other countries, said the speaker, the pharmacist had a definite status as such, and there was no real reason why pharmacy should be regarded otherwise than as a distinct profession. He was of opinion that health centres could only be built up slowly, and that the reaction of the public to the setting-up of such centres was a factor that had to be carefully measured over a period of years. He felt strongly that the chemist's shop was too firmly established in the life of the community for any revolutionary changes to be made. As a pharmacist in business, he was not dismayed about the future of the profession, provided all pharmacists were unified in purpose. He was all for presenting a united front to the Government, but it was becoming evident that this was not the easy matter it seemed.

Representation on Control Board

At the conclusion of his address the following questions were put to and answered by the speaker:—

Q.: In the event of a control board being set up in connexion with the National Health scheme, do you agree (*a*) that representation on this body should be by election only; (*b*) that membership of the board should be for a limited period, say five years; (*c*) that such a board should have the right to publish an annual report without first having to obtain the sanction of the Ministry of Health?

A.: To the first question, no. Appointments to the board would be made by the Minister of Health, after consultation with representative bodies in pharmacy; I favour limitation as suggested; the approval of the Ministry of Health would have to be obtained before an annual report could be published.

Q.: Under the National Health scheme, can the speaker foresee an extension of communal doctors' surgeries and dispensing under their supervision by unqualified persons?

A.: There may be some danger of this, but we must insist on complete separation of prescribing and dispensing under any new scheme.

Dispensing in Health Centres

Q.: Provided that a pharmacist indicates to the public his absence from his pharmacy during certain specified hours, could he undertake part-time dispensing in health centres?

A.: I cannot approve of this. In my opinion, the pharmacist's place is undoubtedly in his pharmacy.

Q.: In any National Health scheme, will the speaker give us his assurance that there will be no competitive advertising of dispensing ability?

A.: This should be prohibited as unprofessional, the ban to be part of the contract.

Q.: In National Health Service dispensing should the qualification of the pharmacist be allowed to be multiplied indefinitely through unqualified channels, or does the speaker agree that dilution should be limited to *bona-fide* pharmaceutical students or, say, the holders of the Apothecaries' Hall diploma?

A.: Dispensing should be done either by the pharmacist or by an apprentice working under strict supervision. I am not in favour of the Apothecaries' Hall diploma suggestion.

Q.: Whose business is it to enforce the part of the 1941 Act that pertains to the labelling of poisons by dispensing doctors?

A.: It appears to be nobody's responsibility.

Q.: What action would the speaker advocate if the Ministry of Health by-

passed our qualification in regard to the dispensing of medicines?

A.: There is no possibility of that, as we have already been assured on the point.

Q.: What would be the speaker's reaction to a demand from the Ministry that pharmacists should cease (*a*) counter prescribing; (*b*) the selling of all but officially approved ethical remedies?

A.: Pharmacists are well able to render useful service in dealing with minor ailments, and this means a saving of the doctor's time. With everyone insured under the new scheme there will be less call for counter prescribing. I am in favour of the suggestion in the second part of the question.

Views of Recently Qualified

Q.: We all know that the pharmaceutical qualification is much more difficult and expensive to obtain now than it was when all the members of the Joint Council qualified. In view of this, and in fairness to students and those recently qualified, should not their views be placed before the Ministry of Health?

A.: I fully agree with the contention, and the importance of the matter is not being overlooked.

Q.: In all professions the professional fee becomes a standard of value. What is the speaker's opinion of what this fee should be for pharmacy, and has Scotland given a lead in this direction?

(Several suggestions were made in the discussion that followed.)

Q.: Should it be the duty of a pharmacist when supplying a potent drug by prescription to direct the patient's attention to the fact?

A.: I am inclined to think not, but I am aware that other pharmacists hold the view that the dispenser has a responsibility in this matter.

Q.: Suggestions are being made that apprenticeship in pharmacy could be eliminated. Does the speaker think so, or can he visualise a better way of the apprentice measuring up to the requirements both of the public and of his employer?

A.: I am in favour of apprenticeship, though I think there is something to be said for apprenticeship after qualifying.

Q.: In order to counteract charges being preferred against chartered bodies of pursuing exclusively selfish policies, is it not the duty of a chartered body like the Pharmaceutical Society to keep the public informed of the pharmacist's training and his professional contribution to the community?

A.: Like my colleague, Mr. R. MacDonald Murray, I am pressing for greater activity on those lines.

Q.: Are you satisfied with the Society's public relations policy?

A.: I am not, but we are making some progress; we could do with some pharmacist journalists. The question is a live one at present.

Q.: Is the speaker in favour of standardisation of prescription prices?

A.: Yes. With the advent of the new scheme it is obvious that the number of private prescriptions will decrease.

Q.: What is the procedure one has to adopt in order to get a pharmacist released from the Forces under Class B?

A.: Apply to the Central War Pharmaceutical Committee. The application should have the support of the local war committee.

Q.: Is the speaker in favour of establishing a standards committee to deal with new preparations and eliminate duplication?

A.: I am definitely in favour of this. The C.F. scheme has given a strong lead.

Q.: Can pharmacists released under Class B be directed and dictated to by the Central War Pharmaceutical Committee?

A.: Yes. Class B men are liable to direction at the discretion of the Central War Pharmaceutical Committee.

Q.: Under a new National Health scheme will pharmacists' hours of business be decided locally?

A.: After taking into consideration local representations, the control board will probably deal with this, and with area pharmaceutical requirements.

Service in Rural Areas

Q.: Under the new National Health Service can the speaker see the way clear to the giving of an adequate pharmaceutical service in rural areas?

A.: Yes, the pharmaceutical service must be placed within reach of the rural population, and to this end it may be necessary to organise mobile pharmacies.

Q.: In making the contract for dispensing under the new scheme, what safeguard will the Joint Committee require against the setting-up of State dispensaries, and what time limit will be imposed against their coming into effect?

A.: In setting up health-centre dispensaries, regard will be paid to the dispensing facilities already established in an area, and there will be co-operation with these centres to secure a twenty-four-hour service.

There will probably be an experimental period of five years.

Q.: If State dispensaries are set up, what minimum salary will be considered equitable for a full-time pharmacist dispenser?

A.: I cannot visualise a salary of less than £400 per annum.

Q.: Has the Pharmaceutical Society any powers in limiting the registration of new pharmacies?

A.: No. Hitherto the Society has not had the power to refuse registration, provided the application complies with the necessary legal requirements.

Q.: Taking into consideration the dire shortage of medical personnel required to give a national medical service as visualised, how many years will it be before an adequate health service can be given?

A.: In my opinion, at least twenty years.

Q.: Should company chemists have representation on the Joint Council; do they represent pharmacy or the financial interests of their shareholders?

A.: As legal entities in pharmacy, the companies are entitled, in my opinion, to representation on the Joint Council. They are with us on most issues, but they differ on two fundamental points, namely that the opening of new pharmaceutical units should remain uncontrolled, and that the pharmacist manager should not be a party to any contract.

Q.: So many members of the Joint Council are pharmacists with large panel practices that it has been suggested that the point of view of the small pharmacist (who is giving an equivalent service at much greater comparative cost) tends to be overlooked. Can Mr. Tristram assure the meeting that this is not so?

A.: Yes, I can. There are many more average pharmacies than large ones, and the "Princes of Pharmacy," as referred to by the questioner, are in the minority. The average pharmacist's viewpoint is ever in the minds of members of the Joint Council.

Among those who took part in the discussion were Messrs. S. Briggs, G. Daniel, S. Gamlen, A. W. Harrison, J. Greenwood, J. B. Hodgson, and J. Kinnis, with Messrs. A. W. Humphreys, J. W. Moffat, R. Payne, L. Richardson, T. R. Schofield, and K. F. Waring. Mr. W. R. Brackenbury, in moving a vote of thanks to Mr. Tristram, referred to the code of ethics put forward by the Tees-side Branch, and mentioned that the branch had originally put forward the suggestion that pharmacy should have its own public-relations officer. Mr. R. MacDonald Murray (secretary of the branch and a member of Council) paid tribute to Mr. Tristram's work on the Council. In seconding the vote of thanks he said it was important that pharmacy should chart and direct its own destiny.

A SECRETARY HONOURED

During the annual dinner and dance of the Portsmouth Branch of the Pharmaceutical Society held at Cosham recently, members expressed their appreciation of the twenty-one years' service of their secretary (Mr. F. H. Ruoff). This took the form of a framed illuminated address accompanied by a substantial gift of money subscribed by fellow members of the Portsmouth Branch of the Pharmaceutical Society. The presentation was made by Mr. W. H. Bown (doyen and founder-member of the local Association), who recounted the many activities which the secretaryship involved, and reminded the gathering that, in addition to his ordinary secretarial work, Mr. Ruoff served on the Portsmouth Insurance Committee, was a member of the Pricing Committee, dealt with all matters connected with the National Pharmaceutical Union, Chemists' Defence Association, and Proprietary Articles Trade Association, and had shared the duties of the Pharmaceutical War Committee. The heavy work entailed in these manifold services had been undertaken for the benefit of his brother pharmacists without thought of reward or expectation of thanks, and the resulting sacrifice of personal leisure could only be described as a labour of love. Amid musical honours and enthusiastic applause, Mr. Ruoff accepted the presentation. He recalled that he had served under ten chairmen throughout his long term of office, and he had been happy to play his part in fostering the amicable and smooth-working relationship which existed between the Insurance Committee and Portsmouth chemists—a relationship he hoped would long continue. The function was presided over by Mr. R. G. Tremlett (president of the local branch of the Pharmaceutical Society), who, in his reply to the toast "The Chairman," proposed by the vice-president (Mr. A. G. Bradburn), described how Portsmouth chemists had played their part with the rest of the community in various Civil Defence activities during the war. Mr. H. C. Sawyer (Clerk to the Insurance Committee) proposed "The Ladies." Mrs. Tremlett replied.

CORRESPONDENCE

Employee-Pharmacists' Council

SIR,—The next meeting of this Council will be held on January 15, when it will be formally constituted. Employee-pharmacist representatives from all the branches of the society will be invited to attend a delegate conference to be held not later than May 1. In the interim period a "Charter for Employee-pharmacists" will be submitted to pharmacists throughout the country for their approval and support. Any organisation that currently includes employee-pharmacists in its membership, and which is not at the moment represented on the provisional council, is invited to apply for inclusion. The National Council of Employee-pharmacists has already received the support of the majority of members of craft organisations and trade unions, and is anxious to give all organisations the opportunity of co-operating in achieving craft unity. Sectional interests must take second place to the widespread desire of employee-pharmacists for the creation of a single representative body.—Yours faithfully,

Edgware. J. ROSS-MANSELL.

Dr. Mackenzie's Laboratories, Ltd.

SIR,—With reference to your report (*C. & D.*, December 29, 1945, p. 703) on the reconstruction of the above company, I would greatly appreciate your making some mention of the new company, which was officially formed on December 31. Perhaps a word with regard to this old-established business may be of interest to chemists all over the country. Dr. Mackenzie's smelling bottles have been on the market for over fifty years, and it may be claimed that the product has 100 per cent. distribution. The original owner of the business (the late Mr. Frederick Tunbridge) died some years ago, and his widow, aged 103, died only in 1943. For many years now the factory has been carried on at Reading by Mr. Frank Tunbridge and his daughter (Miss Kathleen Tunbridge) and by Mr. J. C. Gambles as directors. Mr. Gambles has been associated with the company for about thirty-eight years, during all of which J. C. Gambles & Co., Ltd., have been associated with the product as distributors. Mr. Frank Tunbridge is now retiring from business. The assets and goodwill have been purchased by J. C. Gambles & Co., Ltd.—Yours faithfully,

London, S.E.1. J. C. GAMBLES.

Council Candidates' Propaganda

SIR,—At a meeting held here on December 17, 1945, the proposed by-law controlling the propaganda of candidates for election to the Council of the Pharmaceutical Society was discussed at some length, and it was decided to object in the strongest way to the proposal, realising that, whilst there are points in favour of some kind of control to prevent vicious growth of expenses in electioneering, and thus making finance a factor in the election hazard, the "gagging" of candidates in this way cannot give them (particularly newcomers) a reasonable opportunity of expressing their personality or views. It is our opinion that this "gagging" can only help existing Councillors, who are known nationally from the number of times their names have been printed in the pharmaceutical Press and from their opportunities of visiting branches during their period of office. If speaking to branches by candidates is forbidden, then Councillors should also be forbidden, for every word they speak at a meeting of members of the Society is an expression of their belief in principles of administration, and, therefore, is election propaganda for the future. It is the opinion of the Blackpool Branch that, prior to the election, candidates should have the opportunity of meeting members at area meetings to express their views so that members may at least have some idea of what, and for whom, they are voting

This branch has tried persistently to open up the secrecy and apparent autocratic power of the Council, and now expresses its regret that the resolution which I, as secretary, personally moved at the annual meeting last May, and which was passed by a large majority, has not been honoured in full by the Council. Apparently it has been accepted in part, for the discussions of the Council on resolutions passed at the Branch Representatives' meeting are to be published, but I question whether the voting of the Councillors will be recorded. The annual meeting resolved that resolutions from branches should also have a report of Councillors' findings, but this has been shelved by our "autocracy." In writing this letter, we appeal to branches throughout the country to express their opinion immediately on the proposed by-law.—Yours faithfully,

Blackpool. P. VARLEY, *Secretary*,

Blackpool Branch, Pharmaceutical Society.

OVERSEAS TRADE NEWS

Palestine Foreign Trade.—During the first quarter of 1945 Palestine imported chemicals, drugs, dyes and colours to the value of £P333,973 and exported similar products in the same period worth £P406,027.

Southern Rhodesian Trade in Drugs.—The following figures have been published of Southern Rhodesian drug and chemicals imports and exports during August 1945 (August 1944 figures in brackets): Imports, £69,176 (£60,841); exports, £19,920 (£1,642).

Quinine Restrictions Removed.—All restrictions on the distribution and use of quinine for civilian purposes in Canada have been removed. The Government pool of approximately 6,500 oz. is being turned over to the Department of Veterans' Affairs.

Tanganyikan Foreign Trade.—During 1944 Tanganyika imported drugs and chemicals to the value of £170,345, against £100,793 in 1943. During the same period exports of beeswax were valued at £110,276 and £102,603; papain totalled £73,818 and £47,369; and pyrethrum £51,662 and £36,292.

Portable Quinine Plant.—According to a Washington dispatch from Reuter a portable field apparatus which can be taken into South American jungles for the local production of quinine makes possible the manufacture of the alkaloid at a low cost. The method, it is claimed, will make it possible for South American countries to produce their own quinine to treat malarias from local sources of bark.

Exports from China.—A Reuter message from San Francisco states that the China-America Council of Commerce and Industry has received the first official estimates of the quantities of Chinese commodities available for export to the United States. Goods ready in 1946 will include 50,000,000 lb. tung oil, 3,300,000 lb. bristles, 9,900,000 lb. egg products such as albumen and dried yolks, and 22,000,000 lb. medical substances. In addition, 1,500 tons of tungsten, 2,400 of antimony and 200 tons of tin will be available for export.

Increase in New U.S. Business Enterprises.—The number of business enterprises in the United States is increasing rapidly as the end of war-time trade restrictions opens new business opportunities and men are being released from the armed forces, and there probably will be a net increase of approximately 500,000 business concerns by the end of 1947, Mr. Henry A. Wallace, U.S. Secretary of Commerce, announced on December 15, 1945. Most of the increase, he said, will occur in retail and service industries.

U.S. Fats and Oils Survey.—Present indications are that the United States domestic production of fats and oils during the 1945–46 season will be approximately 9,600,000,000 lb., about the same as for the current season and 1,600,000,000 lb. less than the record 1943–44 crop. Mr. Charles E. Lund, chief of the Fats and Oils Unit of the U.S. Bureau of Foreign and Domestic Commerce, points out that total requirements in 1946 are currently estimated at almost 10,600,000,000 lb., 6,800,000,000 lb. edible, and 3,800,000,000 lb. inedible. He adds that these estimates or requirements follow the traditional allocation in the United States of two-thirds fats and oils supplies for food uses, and one-third for industrial uses. Maintenance of demand for fats and oils at this level, Mr. Lund states, depends on the assumption that the gross national product actually reaches the amount estimated, that the armed forces are able to release the number of men estimated, and that consumer buying habits return to pre-war tendencies. Edible fats are becoming more easily available, and new production appears to be adequate to meet demand. At the present time shortages are still apparent in some regions, but supplies in general are in better distribution. In the inedible field the position is more difficult. As the satisfying of these demands appears to be greatly dependent on the expansion of imports, the overall picture may require continuance of control orders. These orders direct available supplies of fats to manufacturers. If imports do not develop as expected, it would appear difficult to maintain adequate distribution under conditions of free competition for supplies. The present pressure for removal of controls increases the necessity for careful consideration of any action as, once removed, they would be exceedingly difficult to administer if restored. Mr. Lund discussed various major factors entering into the fats and oils picture, including lard, butter, shortening, tallow, oilseeds and similar productions. When all factors are considered, he feels that 1946 should be a better year for fats and oils than 1945, but problems still have to be solved before normal operations can be expected throughout industry.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include exceptional marine risk insurance and other abnormal charges payable under present condition.

28 Essex Street, W.C.2, January 2

SINCE the reopening of the markets, business has been on the quiet note usual at this time of the year. Many firms are stocktaking and therefore out of business for the moment, but it is expected that more active trading will be resumed in the near future. Export demand is well maintained, and with gradual easing of restrictions and better shipping facilities it is anticipated that greatly increased business will soon be possible. Makers of PHARMACEUTICAL CHEMICALS report a quiet week, with no important price changes to record.

Little of interest has occurred in the CRUDE DRUGS markets during the week, and for the most part previous quotations are repeated. Many export inquiries are being received, particularly from near Continental countries, but many of these orders cannot be fulfilled until the supply position becomes easier. Dealers are still being asked for BENZOIN, but none can be supplied from stock and the outlook is poor. BISMUTH METAL is dearer. All grades of CARDAMOMS are firm and at high prices. Some small arrivals of CASCARA SAGRADA are expected. Quiet conditions obtain for CHILLIES, but the price is maintained. CLOVES is steady and the price is held at recent levels. COLOCYNTH continues to be wanted for the export market. ERGOT is exceedingly scarce on spot. NUTMEG prices are nominal. The Minister of Food has made an Order to replace the Mustard Seed (Control and Maximum Prices) Order, 1942. The new Order, which is called the Mustard Seed Order, 1945, provides for an increase to 16s. 6d. per cwt. of the margin between maximum grower's price and price at which a licensed mustard seed merchant may sell mustard seed to a manufacturer. The new Order also dispenses with the licensing procedure in respect of purchases of seed from growers and with control over sales of mustard seed intended for sowing. SENNA is firm at previous quotations.

The position of ESSENTIAL OILS shows no alteration, and all prices are maintained. The Minister of Food announces that there will be no change in the existing prices of UNREFINED OILS and FATS and TECHNICAL ANIMAL FATS allocated to primary wholesalers and large trade users during the five weeks ending February 2, 1946.

U.S. Drug Market Report

New York, December 28, 1945

FEW developments have occurred among FINE CHEMICALS. Brazilian MENTHOL continues easy, while there are reports that the Chinese product will be available in the near future. A further upward movement in the price of MERCURY is considered possible under the present strong demand. Government restrictions on QUININE SALTS are likely to continue for some time to come; the major STRYCHNINE SALTS remain scarce, although more material should be available early in the new year. Several manufacturers are expanding their facilities to produce STREPTOMYCIN. The Civilian Production Administration has scheduled a production capacity of 300,000 million units of the drug each month, and supplies should be on the market by April 1.

Essential Oils

Although several ESSENTIAL OILS are still scarce, the overall supply is believed to be better than it was a few months ago. Such items as California LEMON OIL, PETITGRAIN and BOIS DE ROSE are available only in very small amounts. Some manufacturers who depend on imported essential oils are finding it necessary to discontinue handling certain items since import prices are reported above the level at which dealers can sell in the market. Low price ceilings are also contributing to the shortage of certain imported commodities, and the possibility of higher duties on Brazilian exports of essential oils has clouded the supply outlook from this source. Meanwhile, the first supplies of Chinese CASSIA and ANISE OILS since the war are reported on their way. Future supplies of VANILLA BEANS are unlikely to meet requirements. European countries are starting to absorb exports from French colonial sources, and the U.S. quota will probably be reduced next year. It is reported that the Mexican new crop is a failure. With the unlicensed export of GUM ACACIA now permitted from the Sudan, prices are advancing steadily. Spot supplies of Mexican SARSAPARILLA ROOT are small, and the detention by the Federal Food and Drug Administration of some recent arrivals of ERGOT has aggravated the shortage of this item.

Pharmaceutical Chemicals

ACETANILIDE.—Demand continues good, and prices are unchanged. Powder, 2s. 5d. per lb., and crystals, 2s. 6d.

AMPHETAMINE.—Makers quote 150s. per lb.

ASPIRIN.—Home market prices per lb., in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ASPIRIN TABLETS.—Scales per 1,000, for bulk supplies, are as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

BARIUM SULPHATE, B.P. (*x*-ray).—Home market prices per lb. are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb. ..	1 10	—	—	—	—
4 lb.–7 lb. ..	1 9	1 7½	—	—	—
7 lb.–14 lb. ..	1 8	1 6½	1 5½	—	—
14 lb.–28 lb. ..	1 7	1 5½	1 4½	1 4	—
28 lb.–112 lb. ..	1 6	1 4½	1 3½	1 3	1 2

Prices net one month.

BENZYL BENZOATE.—For medicinal purposes at 5s. 6d. per lb.; in 7-lb. tins, 4s. 6d.

BISMUTH CARBONATE.—Prices per lb. for the home market, in quantities of 14 lb.–28 lb., are as follows (containers in brackets): 11s. 2½d. (1-lb.); 11s. 1½d. (2-lb.); 11s. 1d. (4-lb.); 11s. (7-lb.); 10s. 11½d. (14-lb.). CITRATE, 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBNITRATE, 1s. 2d. per lb. below.

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards.

BORIC ACID.—Current rates per ton are as follows: B.P. quality, granulated, £60; crystal, £61; powder, £62. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BRUCINE.—Makers' prices per oz. are:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
	s. d.	s. d.	s. d.
Alkaloid ..	1 4½	1 4	1 3½
Nitrate ..	1 3½	1 3	1 2½
Sulphate ..	1 3½	1 3	1 2½

BROMIDES.—Makers' prices per lb. for POTASSIUM, in 28-lb. lots, are as follows (containers in brackets): 3s. 8d. (1-lb.); 3s. 7d. (2-lb.); 3s. 6½d. (4-lb.); 3s. 5½d. (7-lb.); 3s. 5d. (14-lb.); 3s. 4d. (28-lb.). SODIUM, ½d. per lb. less; AMMONIUM, 2½d. per lb. more.

CHLORAL HYDRATE.—Current prices are as follows: 1 cwt., 3s. 10d. per lb.; 56 lb., 4s.; 28 lb., 4s. 2d.; 14 lb., 4s. 6d.; 7 lb., 4s. 9d.; smalls, 5s. 3d.

CITRATES.—Prices per lb. current in the home market for POTASSIUM CITRATE, in quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 3s. 7½d. (1-lb.); 3s. 6d. (4-lb.); 3s. 5d. (7-lb.); 3s. 4½d. (14-lb.); 3s. 3½d. (28-lb.). FERRI ET AMMON. CIT., B.P., 2d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

CODEINE.—Current prices per oz., for small lots, are as follows: BASE.—½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE.—½ oz., 50s.; 1 oz., 47s. 6d.; 2 oz., 46s.; 3 oz., 45s. 3d.; 4 oz., 45s. PHOSPHATE.—½ oz., 43s. 9d.; 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s.; 4 oz., 38s. 9d.

DEXTROSE.—Prices per lb. current in the home market for bulk supplies are as follows: 14 lb.–28 lb., in 14-lb. lots, 1s. 0½d.; 28 lb.–112 lb., in 14-lb. lots, 1s.; in 28-lb. lots, 11d.

DIAMORPHINE.—Current rates per oz. for small quantities are as follows: BASE.—½ oz., 58s. 6d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., 53s. 9d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—½ oz., 54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 3 oz., 49s. 6d.; 4 oz., 49s. 3d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

GLUCOSE.—Home trade prices per lb. for powdered monohydrate are as follows: 14 lb.–28 lb., in 14-lb. lots, 11¾d.; 28 lb.–112 lb., in 14-lb. lots, 11¼d.; in 28-lb. lots, 10¼d.

GUAIACOLS.—Small quantities are quoted as follows; Liquid, 16s. per lb.; crystals and carbonate, 15s. per lb., in 7-lb. containers.

HOMATROPINE.—Makers' prices per oz., are as follows (prices per gram in brackets): ALKALOID.—1 oz., 95s. 6d.; 4 oz., 92s. 6d., 16 oz., 87s. 6d. (6s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—As noted recently, prices have been advanced. Current rates are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 3d.; 28 lb., 9s. 9d.; 14 lb., 10s. 3d.; 7 lb., 11s. 9½d.; 4 lb., 12s. 3½d.; smaller quantities, 12s. 9d. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 2d.; 14 lb., 10s. 8d.; 7 lb., 12s. 5½d.; 4 lb., 13s. 1½d.; smaller quantities, 13s. 11d. IODOFORM, B.P.—28 lb., 13s. 4d.; 14 lb., 13s. 10d.; 7 lb., 16s. 0½d.; 4 lb., 16s. 10½d.; smaller quantities, 17s. 8d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 8d.; 28 lb., 11s. 2d.; 14 lb., 11s. 8d.; 7 lb., 13s. 5½d.; 4 lb., 14s. 1½d.; smaller quantities, 14s. 10d.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE.—Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 7d. per lb.; 14-lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MAGNESIUM CARBONATE, HEAVY.—Home market prices per lb. are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
1 lb.– 4 lb.	1 11	—	—	—	—
4 lb.– 7 lb.	1 10	1 8½	—	—	—
7 lb.–14 lb.	1 9	1 7½	1 6½	—	—
14 lb.–28 lb.	1 8	1 6½	1 5½	1 5	—
28 lb.–1 cwt.	1 7	1 5½	1 4½	1 4	1 3

Prices net one month.

MAGNESIUM CARBONATE, LIGHT.—Home market prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 4d. (1-lb.); 1s. 2½d. (4-lb.); 1s. 1½d. (7-lb.); 1s. 1d. (14-lb.); 1s. (28-lb.). Prices net one month.

MAGNESIUM TRISILICATE.—Prices per lb. current in the home market are:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	4 1½	—	—	—	—
4 lb.– 7 lb.	4 0½	3 11	—	—	—
7 lb.–14 lb.	3 11½	3 10	3 9	—	—
14 lb.–28 lb.	3 10½	3 9	3 8	3 7½	—
28 lb.–112 lb.	3 9½	3 8	3 7	3 6½	3 5½

Prices net one month.

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb.) packages, 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb., net. Packages extra and returnable.

MANDELIC ACID.—Current rates are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Continues in good demand at unchanged prices. Smalls, 2s. 6d. per lb.; winchesters, 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

PHENOLPHTHALEIN.—Current rates are as follows: Less than 7 lb., 4s. 8d. per lb.; 7 lb., 4s. 7d.; 14 lb., 4s. 6d.; 28 lb., 4s. 5d.; 1 cwt., 4s. 4d.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5 cwt and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid station, containers extra and returnable.

PULV. BISMUTH. CO., N.F.—Prices per lb. current in the home market, for quantities of 28 lb.–1 cwt., are as follows (containers in brackets): 2s. 6d. (1-lb.); 2s. 4½d. (4-lb.); 2s. 3½d. (7-lb.); 2s. 3d. (14-lb.); 2s. 2d. (28-lb.).

SANTONIN.—Prices per kilo are as follows (price per oz. in brackets): 25 kilos, £42 (23s. 10d.); 10 kilos, £43 (24s. 5d.); 5 kilos, £44 (24s. 11d.); 2–4 kilos, £45 (25s. 6d.); 1 kilo, £46 (26s. 1d.); 500 gm., £47 (26s. 8d.); 250 gm., £48 (27s. 3d.); 100 gm., £49 (27s. 9d.); smaller lots, £50 (28s. 4d.).

SULPHANILAMIDE.—In good supply. Steady at from 8s. to 9s. per lb., according to quantity.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb., according to quantity.

THEOBROMINE.—The following prices are ruling: ALKALOID.—Smalls, 44s. 6d. per lb.; 7 lb.–28 lb., 43s. SODIUM SALICYLATE.—Smalls, 26s. 6d.; 7-lb.–28 lb., 25s. 3d. Tins extra.

Crude Drugs

ANTIMONY.—Demand continues to be good. Prices are as follows: English minimum 99 per cent. regulus, £112 10s. per ton, delivered; 70 per cent., crude, for the home trade, £90.

ARECA NUTS.—No spot supplies are available at present but new consignments are expected.

BALSAMS.—*Canada*, in small compass on spot, 13s. 6d. to 14s. per lb.; *Peru*, steady at 8s. 3d. per lb.; *Tolu* and *Copaiba* are unobtainable.

BELLADONNA.—Spot price of any available low-testing Indian root would be 2s. 3d. per lb.; English herb, 4s. 6d.

BENZOIN.—Considerable inquiry is being received but no supplies are available.

BISMUTH.—Price of the metal is now 6s. 8d. per lb. in minimum 5-cwt. lots.

BUCHU LEAVES.—A few odd bales may be available on spot at 5s. 6d. per lb.

CANTHARIDES.—Offers are reported from China at 34s. per lb., f.o.b.

CARDAMOMS.—Firm and at high prices. Aleppy seed, spot, 8s. per lb.; Aleppy greens, 7s. to 7s. 3d. per lb., spot.

CASCARA SAGRADA.—Some small arrivals of bark are expected.

CHAULMOOGRA.—Spot price of *Hydnocarpus* remains at 2s. per lb., in tins in cases.

CHILLIES.—Quiet conditions obtain. Spot, approximately 130s. per cwt.

CINNAMON CHIPS.—Quoted at 2s. 2d. per lb., ex store.

CLOVES.—In quiet demand, with the spot price of Zanzibar steady at 1s. 7½d. per lb., sellers; to arrive, 9¾d. per lb., c.i.f.

COCHINEAL.—Spot quotation for silvers is unchanged at 5s. 9d. per lb.

COCOA BUTTER.—The official maximum price is unaltered at 1s. 5½d. per lb., except for sales under licence.

COLOCYNTH.—Steady on spot at 2s. 6d. to 2s. 9d. per lb., according to seller.

DIGITALIS LEAVES.—Portuguese leaves are at the recently quoted price of 140s. per cwt.; English, 2s. 6d. per lb.

ERGOT.—Exceedingly scarce. Any available spot supplies would be worth 7s. 6d. per lb.

GINGER.—West African, spot, 85s. per cwt.

GUM ACACIA.—Firm. Kordofan cleaned sorts, spot, 76s. per cwt., London; 74s., Liverpool; 74s., Manchester; bleached, spot, 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian, spot, 250s. per cwt.; Egyptian (*muticus*), 85s.

JALAP.—Material containing 10 per cent. resin would be worth 3s. 6d. per lb. on spot.

KAMALA.—From 2s. 9d. to 3s. per lb. would be wanted on spot for material yielding 6 per cent. ash.

KARAYA GUM.—Indian No. 1 material, spot, 210s. per cwt.

MALE FERN ROOT.—Spot quotation for Indian root is at 85s. per cwt.

MENTHOL.—Odd lots are reported to be selling on spot at from 75s. to 80s. per lb.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order (*C. & D.*, October 13, 1945, p. 388).

MYRRH.—Good Aden sorts are offered at £18 per cwt. on spot.

NUTMEGS.—The supply position shows no improvement. Current prices are: West Indian, 80's, 4s. per lb.; sound unassorted, 3s. 8d.; wormy and broken, 3s. 4d., nominal.

NUX VOMICA.—Price from source is at 37s. 6d. to 40s. per cwt., c.i.f., for Cocanada, washed and garbled.

ORANGE PEEL.—Bitter Tripoli thin-cut is offered at 6s. per lb., ex Glasgow.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Quiet, with spot sellers at 1s. 6d. per lb.

RHUBARB.—Demand continues keen but spot supplies are exhausted.

SEEDS.—Some inquiry is being received but business is slow. Current prices are as follows: ANISEED.—Turkish, spot, 2s. 8d. per lb. CORIANDER.—None available on spot; forward, 120s. per cwt., c.i.f. CUMIN.—Maltese, spot, 150s.; Indian, none available. DILL.—Spot, London, 80s.; Liverpool, 80s. FENNEL.—Nothing available. FENUGREEK.—Hull, 67s. 6d.

MUSTARD.—The Mustard Seed Order, 1945, replaces the Mustard Seed (Control and Maximum Prices) Order, 1942 (see Introduction).

SENEGA ROOT.—Value would be about 11s. 6d. to 12s. per lb.

SENNA.—Good demand for Alexandrian hand-picked pods; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb. Tinnevelly leaves, No. 1, 10½d. per lb.; No. 2, 8½d.; No. 3, 7d.

STROPHANTHUS SEED.—Kombé, 100 per cent., may be obtained from dealers at 7s. per lb.

TRAGACANTH.—Spot prices of medium grades are as follows: No. 1 white, £140 per cwt.; No. 2 white, £120; No. 3 white, £105; No. 4 white, £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Sound-quality Madras finger, nominal at 120s. per cwt. on spot; forward shipment, 67s. 6d. per cwt., c.i.f.

WAXES.—BEES'.—Dar-es-Salaam, spot, 245s. per cwt. (not Government stocks). CARNAUBA.—Fatty grey, spot, 650s., nominal; February–April, 595s., c.i.f.; prime yellow, unobtainable on spot; February–March, 710s., c.i.f.; chalky grey, spot, none available. CANDELILLA.—Spot, 350s., nominal; forward, not quoted. OURICURI.—Spot, 425s.

Essential and Expressed Oils

CASTOR.—Officially quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works for bulk supplies.

CLOVE.—English-distilled bud oil continues to be quoted at 12s. 6d. to 13s. per lb., according to quantity.

COCONUT.—Fixed prices are as follows: Crude, £49 per ton; refined deodorised, £49; refined hardened deodorised, £53.

GROUNDNUT.—Refined deodorised, £58 per ton, ex works, in bulk supply.

OLIVE (EDIBLE).—Price charged to wholesaler by importer is 25s. 9d. per gall., ex store. Prices charged by wholesalers to retailers are agreed by Ministry of Food as follows: 33s. 6d. per gall. in 1-gall. loan cans; 34s. 3d. in ½-gall. loan cans; 35s. in 1-quart loan cans; 36s. per gall. in 1-pint cans.

Nonscents.—I read that the American perfumers are planning to sell "masculine and weedy" perfumes to men. I hear of a very exotic one for sportsmen. It is called *souffle de blaireau* (a whiff of badger). Then there is *rêve de Rugger* (dream of Rugger) and *soupir de parapluie* (umbrella's sigh), and *extase de lampisterie* (ecstasy of the railway lamproom), and *Souvenir de Wall Street* (Wall Street Memory) and *Golf de Minuit* (midnight golf).—"Beachcomber" in the "Daily Express."

TRADE MARKS

(*From the "Trade Marks Journal," December* 12, 1945)

"BIOPTOL"; for pharmaceutical preparations and substances (5). By E. V. Abraham, Ltd., 84–86 Frodingham Road, Scunthorpe, Lincs. 636,284.

"ARMOZYME"; for medicated preparations containing pepsine, for use in the treatment of indigestion and dyspepsia (5). By Armour& Co., Ltd., Thornton House, Finsbury Square, London, E.C.2. 636,492 (Associated).

"BULKIN" and "BULCOSAN"; for pharmaceutical preparations for internal use (5). By Granto Laboratories, Ltd., 108 Mortlake Road, Kew, Surrey. 636,500–01.

"SILVEXA" and "SEAMLEXA"; for articles for prophylactic purposes, and contrivances (not medicated) for surgical and curative purposes, all being goods of indiarubber; surgical trusses; belts for surgical or curative purposes (10). By Ward's Surgical Co., Ltd., 19 Villiers Street, Strand, London, W.C.2. 635,586, 635,696.

"DELTEX"; for photographic prints (16). By A. Behr, 44 Temple Fortune Lane, London, N.W.11. 636,578.

"PEVERIL"; for hair nets (26). By R. Shaw & Co., Ltd., Ascot Works, Ascot Road, Nottingham. 635,983.

SUBSEQUENT PROPRIETORS REGISTERED

(The names in italics are those of the former proprietors)

Antigen Laboratories, Ltd., 95 Great Portland Street, London, W.1; merchants and manufacturers. *Gerald Quinlan & Seamus Brendon Morgan.*—546,033 (2919), iii.

(*From "The Trade Marks Journal," December* 19, 1945)

"PHENOXETOL"; for chemical compounds being benzene derivatives of the glycols, for use as preservatives in pharmaceutical and medical preparations in oils and fats (animal and vegetable), in ointments, in emulsions, in essential oils, in perfumes and in cosmetic preparations (1). By Nipa Laboratories, Ltd., 17 Creechurch Lane, London, E.C.3. 630,412.

"REGINA"; for starch preparations for laundry use (3). By N. V. Nederlandsche Rijststijfselfabriek, c/o William Brookes & Son, 1 Quality Court, Chancery Lane, London, W.C.2. 610,781.

"ESPERANCE" and "AHLAM EL HOB"; for soaps, perfumery, toilet and cosmetic preparations, essential oils, hair lotions and dentifrices (3). By Neville Brothers, 12 North Wharf, Gordon Road, West Ealing, London, W.13. 635,537, 635,539.

"SILKSTAR"; for toilet paper, paper handkerchiefs, etc. (16). By Dunlop & Jack, Ltd., Clydebank Works, 127 King Street, Rutherglen. 634,274.

"HONEYMELS"; for honey confectionery (30). By Copper Kettle Preserves, Chester Walk, Cheltenham Spa. 634,823.

COMING EVENTS

Wednesday, January 9

WEST LONDON BRANCH, NATIONAL PHARMACEUTICAL UNION, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Mr. E. A. Brocklehurst on "The N.P.U. and 1946."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Hall of the Institute of Accountants and Actuaries, 220 Vincent Street, Glasgow (between Blythswood Street and West Campbell Street), at 7.30 p.m. Mr. Noah Morris, M.D. (Regius Professor of Materia Medica and Therapeutics, University of Glasgow), on "Therapeutics through the Ages."

MEETING CANCELLED.—A meeting of the Oxfordshire Pharmaceutical Association, planned to be held on January 9, has been cancelled. The Association's next meeting will be on February 8.

Thursday, January 10

NEWCASTLE DISTRICT AND NORTHUMBERLAND BRANCH, PHARMACEUTICAL SOCIETY, Crown Hotel, Newcastle, at 7.15 p.m. Mr. A. McGuckin on "Anæsthetics."

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Presentation of Harrison Memorial medal to Mr. Reginald Robert Bennett. Address by Mr. Bennett on "The British Pharmacopœia."

WEST HAM AND EASTERN (LONDON) DISTRICT ASSOCIATION OF PHARMACISTS, Lecture hall, Manor Park library, Romford Road, London, E.12 (opposite Three Rabbits hotel), 6.45 to 11 p.m. Whist drive, followed by party, including dancing and games.

Friday, January 11

ST. HELENS SECTION, BRITISH ASSOCIATION OF CHEMISTS, Y.M.C.A. Buildings, St. Helens, at 7.30 p.m. Mr. F. Moult, M.Sc., on "Hormones."

LONDON BRANCH, GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Ministry of Information films: "Blood Transfusion," "Conquest of the Germ" and "D.D.T." The meeting will be attended by members of the pharmacy group, Association of Scientific Workers.

Sunday, January 13

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Birch Vale, Disley and Poynton. Meet London Road Station, 9.40 a.m. Book Birch Vale return.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to present conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, 17 Argyle Street, Bath Somerset.

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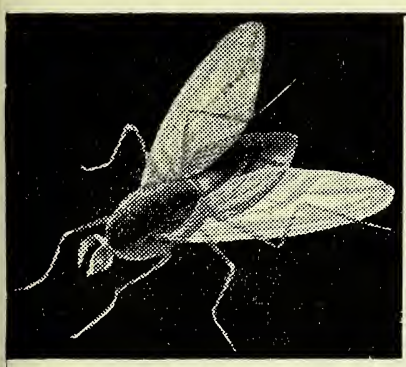

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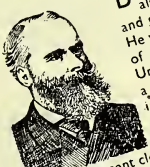

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Available in powder, tablets and emulsion

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Wholesale and Export Department

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Look the world over—find, if you can, a market anywhere that can rival the opportunity offered you now by the UNION OF SOUTH AFRICA AND RHODESIA.
PROSPERITY'S smoke is pouring from its many rich Gold Mines and numerous industries.
GOLD PRODUCTION in South Africa has never before been so great and its price so high.
MANUFACTURERS OF PROPRIETARY PATENT MEDICINES AND TOILET PREPARATIONS will find this an extremely profitable market, and an excellent field for the promotion of British exports.
DRUGS & TOILETS (PTY.) LIMITED. Sole South African distributors for a number of well-known proprietary products offers a complete sales, warehousing and merchandising Service. From Headquarters in Johannesburg, and branches in Cape Town, Port Elizabeth, East London, Durban, Salisbury and Bulawayo, salesmen actively canvass the trade throughout the entire territory and supply from full stocks held at each of their branches.
DRUGS & TOILETS (PTY.) LIMITED BUYS OUTRIGHT AND PAYS CASH IN LONDON for all its requirements through their London Office.

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SQUARES
CIRCLES
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WHITE
GREY
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SAMPLES
FREE

Postlip Filterings are stocked by all the leading Wholesale Laboratory Dealers

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The 'Clinbritic' Vaccine Bottle

Patent No. 492200

MADE IN WOOD'S ALKALI FREE AMBER or WHITE GLASS

Assembly Details

A new type of Multiple injection "vaccine" bottle which possesses several points of interest and offers a very near approach to the ideal.
No Wiring is necessary, and there is no distortion or bursting of the rubber cap even at pressures up to 50 lbs.
The india rubber vaccine cap, of special design, is protected by a screw bakelite cap, and provision is made for maintaining the sterility of the outside surface of the vaccine cap.
No manipulation whatever is required after sterilization.

Samples. Prices and Full Details on Request

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SD2

The Symbol of PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

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FOR SCIENTIFIC AND MEDICAL GLASSWARE OF SUPERLATIVE QUALITY

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FIRTH STREET GLASSWORKS
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The name upholds *your* reputation for stocking the best . . . . a point to remember when normal supplies again become available.

NORTH BRITISH

RUBBER CO. LTD. EDINBURGH & LONDON

HW4

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That's what

YESTAMIN

Advertising is saying to your customers

It's up to you—

to ensure that sufficient stocks of YESTAMIN Vitamin Yeast Tablets, 100 for 1/1½d., 300 for 3/-, are available to meet increased demand.

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You can PROMISE

3-SECOND RELIEF

from NASAL CONGESTION

To the customer in search of a remedy for nasal congestion resulting from head cold or catarrh you can make this promise for Karsodrine — *that within 3 seconds of taking two sniffs up each nostril from the Karsodrine Inhaler the congestion will recede.* Karsodrine will keep your promise because its volatile vapours, including amphetamine, afford an instant and prolonged contraction of congested nasal mucosa. The lower price and the convenient ONE-CAP container are added Karsodrine selling points.

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FORMULA: *Amphetamine 0.330 grm; Cineole 0.093 grm; Ol. Citronell 0.026 grm; Methyl. Salicyl. 0.023 grm; Ol. Cedri 0.005 grm; Menthol 0.049 grm; Ol. Eucalypt. 0.089 grm.*

RETAILS at 1/6 (inc. tax) and shows you up to 5/2½d. per dozen profit even on small quantities when ordered with other 'Griffiths Hughes' lines. Send your order to E. Griffiths Hughes Ltd., Adelphi, Salford 3, Manchester.

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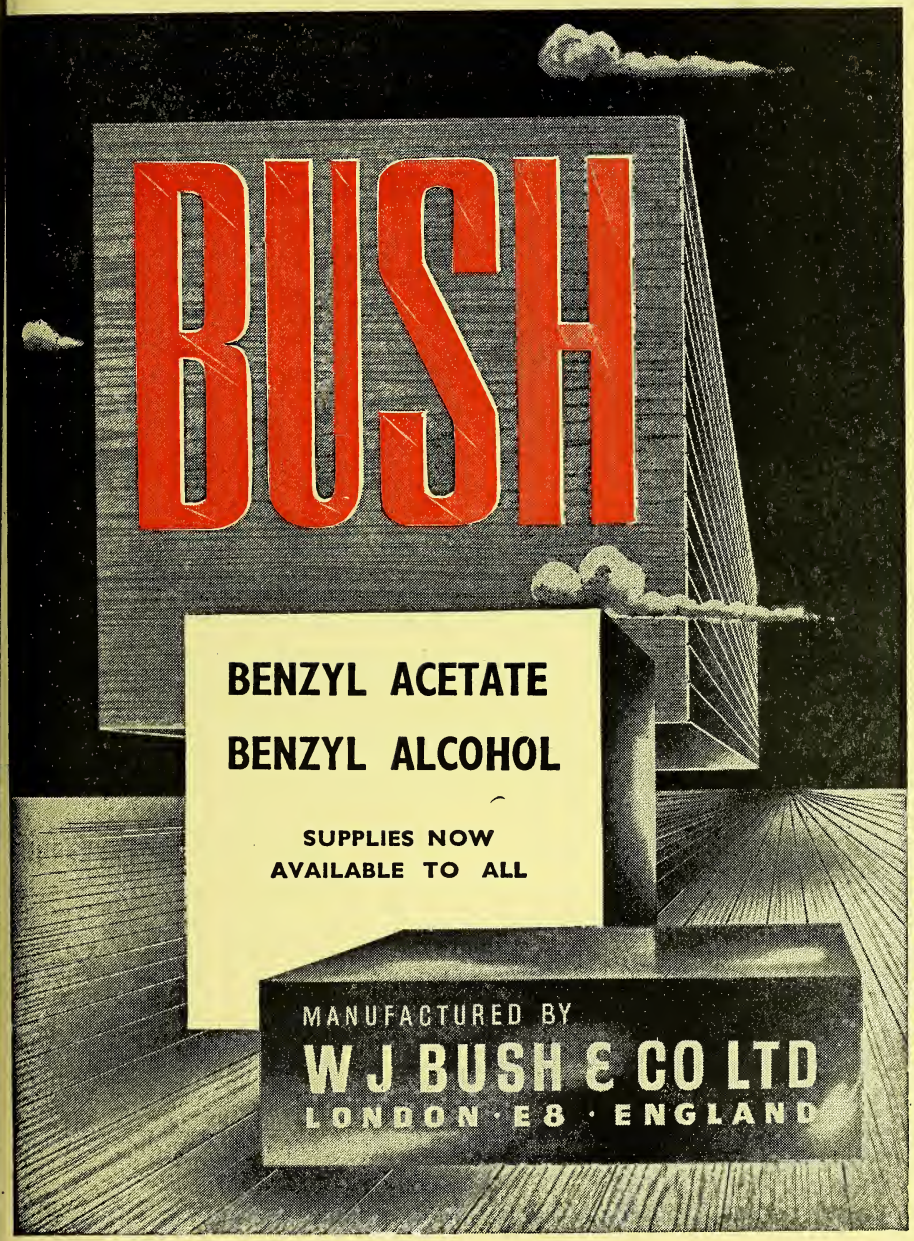
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FOR SPECIAL GARMENTS TO MEASURE WE GIVE THE BEST POSSIBLE SERVICE

50 YEARS' SERVICE OF EVERYTHING SURGICAL

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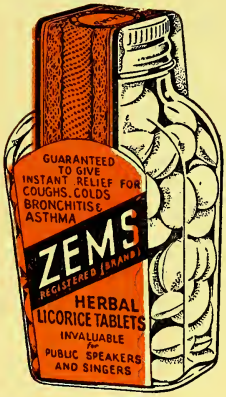

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HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLETS FOR COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

Supplies may be obtained from C.F. Wholesale Houses

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Rendells PRODUCTS

Always reliable and superior in quality.

W. J. RENDELL LTD., HARDWICK HOUSE, 161-5, ROSEBERY AVENUE, E.C.1

LIGHT can revitalise your business

Electric lighting, properly planned, is the shopkeeper's best draw. Light attracts customers, pleases them and helps you to sell. To assist in a better understanding of the value of good lighting, the Lighting Service Bureau has produced *Light—the Sales Builder*, a most useful publication with ideas for large or small shops.

Special lighting for displays, for general lighting and for showcases—in fact, recommendations for practically every type of business are dealt with in *Light—the Sales Builder*.

The diagrams and hints will be of the utmost interest *now* and in preparation for the time when shop window lighting and unrestricted shop lighting are once again permitted.

E.L.M.A
ELECTRIC LAMP MANUFACTURERS ASSOCIATION OF GREAT BRITAIN LTD

Write at once for your free copy.

THE LIGHTING SERVICE BUREAU, 2 SAVOY HILL, LONDON, W.C.2
MAINTAINED BY THE ELECTRIC LAMP MANUFACTURERS' ASSOCIATION

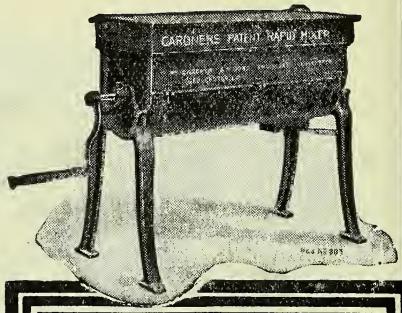
Lifeline

Once again Britain has kept the wolf from the door. The nation's thanks are due to the seamen for bringing in so much food during the war years and to the Ministry of Food for seeing that it went where it was most needed. Undoubtedly the children's excellent state of health owes much to the 'official' issue of cod liver oil to 'under-fives' and expectant mothers — a wise and far-sighted move impossible to execute had our sea-lanes been closed.

Those who were not eligible for the subsidised issue — and many who found it more convenient to buy from their chemists — turned to SevenSeaS for health protection and extra nourishment. And because the seamen never failed us, we were able to supply the public with pure cod liver oil. Throughout the difficult years, SevenSeaS never varied from its high 1939 standard, though sometimes there were shortages. To-day the nation's need for it is greater than ever before, and now that our own trawlers are back on the job, there is plenty of pure cod liver oil for everyone in every chemist's shop.

STANDARD OIL: Vitamin A 20,000 I.U.; Vitamin D 2,500 I.U. per oz. CONCENTRATED: Vitamin A 60,000 I.U.: Vitamin D 6,000 I.U. per oz.

BRITISH COD LIVER OIL PRODUCERS (HULL) LTD.,
ST. ANDREW'S DOCK, HULL, ENGLAND.



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Blends an ounce with a hundredweight in exact proportions. Built to last for years of trouble-free, low-cost hand work.

GARDNER'S Patent 'Rapid' MIXERS

Wm. GARDNER & SONS (Glos.), LTD., Bristol Rd., GLOS

If You're out of One Recommend the Other

In these days, when, do what we will, we cannot always cope with demand, there is an added advantage in the two Parmints.

At the moment the ready for use Parmint Syrup is in short supply. If you are temporarily out of stock, recommend your customers to take a bottle of the Parmint Concentrated Essences.

All our press advertising features both Parmints and mentions their prices.

INTERNATIONAL LABORATORIES LTD. P.A.T.A.
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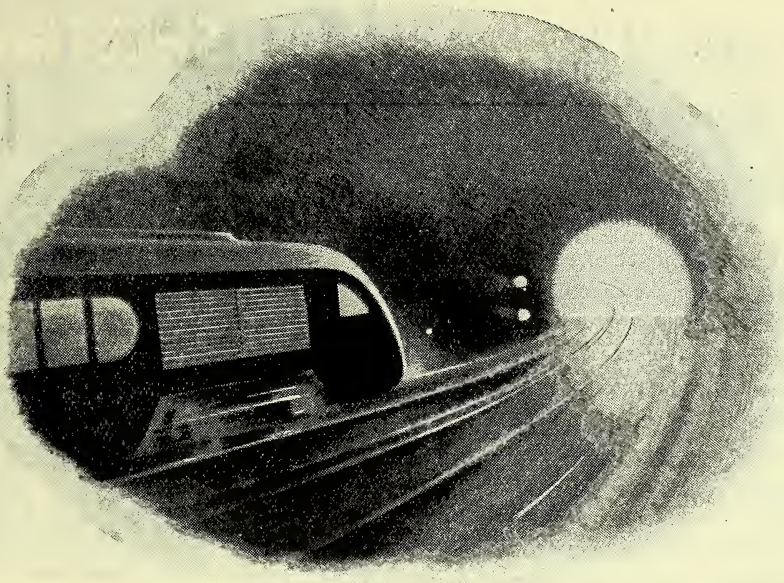
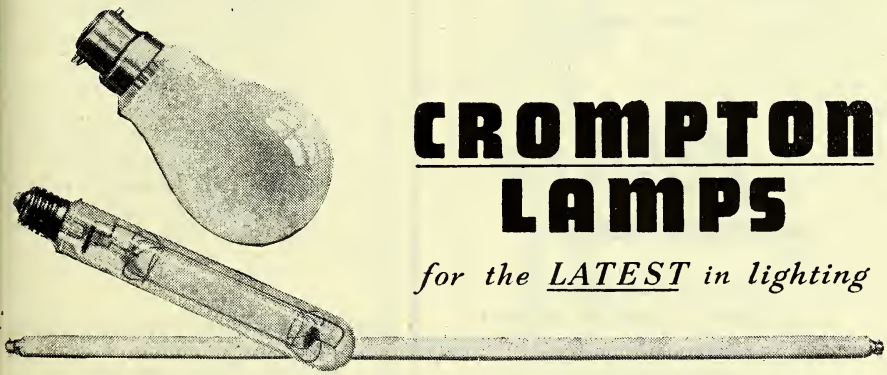


Things are coming to light—

We are emerging into a new era of light. The black-out years have been abundantly productive in the science of lighting and new Crompton Lamps are almost ready for the peace-time trade drive.



CROMPTON LAMPS

for the LATEST in lighting

CROMPTON PARKINSON LIMITED, ELECTRA HOUSE, VICTORIA EMBANKMENT, LONDON, W.C.2

Telephone: TEMple Bar 5911 *Telegrams: Crompark, Estrand, London*

The new improved Sanitary Tampon

LIL-LETS have received the warm approval of the medical profession, but continued war-time restrictions prevent the manufacture of quantities sufficient to meet the demand. Production is steadily increasing, and already slightly larger quantities are being distributed to the trade. It must, however, be appreciated that this will not yet provide a regular quota for every chemist.

LIL-LETS are packed in attractive cartons containing 4 packets of 3, wrapped in transparent film.

Retail Price
1/9 *PER CARTON OF 12 TAMPONS*

Trade Price
15/4 *PER DOZEN CARTONS NET*

Lil-lets

Made in England by
T. J. SMITH & NEPHEW LIMITED
NEPTUNE STREET, HULL
Makers of Elastoplast

BED SHEETING

HOSPITAL BED SHEETINGS AND JACONETTES

RUBBER AIR BEDS, CUSHIONS AND PILLOWS

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Orders must state "required for Surgical and Medical purposes"

When we get back to normal conditions we hope to extend our range of Sheetings and Jaconettes

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Anniesland, Glasgow, W.

"Prophylactics should, under regulations and safeguards, be available at proper Chemists up and down the country"

. . . Parliamentary debate on Venereal Disease Control reported Daily Telegraph, Dec. 16, 1942

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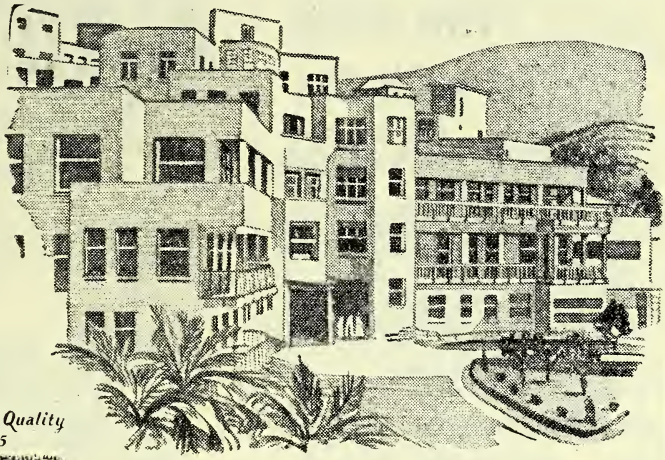
unquestionably ranks as an outstanding example of the best modern Italian architecture. Its admirable lay-out ensures the greatest possible amount of sunlight reaching every part of the building.



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ONLY WHOLESALERS SUPPLIED

RUBBER HOT WATER BOTTLES ARE SCARCE

THE ORIGINAL Reliance SEAMLESS MOULDED

GR-S SYNTHETIC & NATURAL RUBBER COMBINED

During the war years, hot water bottles have not been made. After this interval, there is a pent-up demand which cannot be satisfied quickly with present restricted labour force. Inevitably, there will be a shortage this coming winter, but we will do all we can to distribute available supplies fairly to those on our books in 1938-1939. Despatch will be made in turn and notice from customers is not necessary.

We cannot supply friends not on the 1938-1939 list for the moment, but please write and register your needs for future attention. Reliance aims to double its 1939 record output next year.

RELIANCE RUBBER Co. Ltd.,
CREMORNE WORKS, LOTS RD.
LONDON S.W. 10
TELEPHONE FLAXMAN 6200-4263

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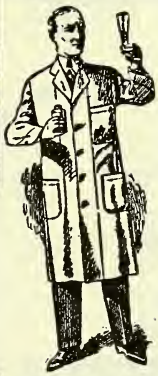

LONG OVERALL COATS (SHRUNK)

Men's. White or Khaki 13/9, 15/-.

Women's Overalls. Cross-over style. White, Khaki, Navy, Green, Saxe - 11/9.

Coats and Overalls: 3 coupons.

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Jackets: 2 coupons.

State Chest measurement. Cash and coupons with order. Satisfaction Guaranteed.

Postage: 1 coat, 7d.; 2 coats, 9d. Orders over £2, carriage paid.

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Opposite Aldgate East Station 'Phone BIS 6751 (3 lines)
Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
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EVERY HOUSE WITH A MOUSE

—means another customer for

SCRAM

3 DOZEN in display box 25/6

From most wholesalers or direct—

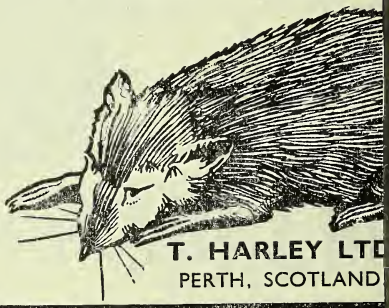
SCRAM PRODUCTS

5 Dartmouth Park Hill, London, N.W.5

RODINE

doesn't give rats a chance . . . .

but it gives chemists certainty of steady demand for this well-tried raticide



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Before the war it is estimated that the output of the carton industry increased 5% per annum: our average yearly increase was over 15%

We consider one of the primary reasons for this was that our prices were based on cost of production and not on what 'the traffic would bear'

We are sufficiently old-fashioned to think that demand eventually finds its satisfaction from the most economic source

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'Grams: 'Boxfoldia, Birmingham'

'Phone: Selly Oak 1164

Your customers will need NUTILIS D. D. T.

The new wonder insecticide Powder or Liquid

1/- & 2/6

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Belts, Trusses Suspensory Bandages, etc.

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Knee Caps, Anklets, Jockstraps

THOS. GLOVER & SON, LTD. CARLTON, NOTTINGHAM

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"KILL'EMOFF"

DEVERMINATOR

RAT & MICE EXTERMINATOR

The Certain Killer

Rats 1/9 . . . Mice 1/-

Prepared and packed by

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DABitoff

The ONLY STAIN REMOVER with the CLEANING PAD!

Non-inflammable. Spots and stains disappear as if by magic. No cleaning cloth needed—no waste—the cleaning pad is fixed in neck of bottle—always ready for use!

So simple and effective

IT SELLS ON SIGHT!

RETAIL PRICE 1/9 *per bottle*

NATIONALLY ADVERTISED
SHOW MATERIAL AVAILABLE

GENEROUS TERMS TO TRADE

Sole Distributors:
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FARNHAM • • SURREY
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For WASHING MY Silk Stockings
CLEANING MY Carpets
AND OF COURSE ON Washday

It must always be

And it's marvellous in the bath

SPRIM

Triple-cleansing-strength

AMMONIA PER BOTTLE 9d AND 1/4½d

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STAINED!

For the "professional style" cleaning of DAINTY AND DELICATE FABRICS, SUITS, HATS, SATIN AND BROCADE SHOES, GLOVES, SCARVES, TIES, CARPETS, also for WINDOWS, MIRRORS, BATHS, PAINTWORK, etc., use **Solitaire Dry Cleaner.**

Solitaire Dry Cleaner is perfection itself for the cleaning of all fabrics, no matter how dainty. No chemical bleaching action. Leaves no "ring" Non-inflammable. Different from other solvents—cleans by the action of millions of tiny globules which gently carry away all dirt.

Sold in bottles price 1/9 *at Grocers, Chemists, Stores, etc.*

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DRY
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SELL THESE TESTED DYES

AURORAL COLD WATER DYES 6d.

WINNER STOCKING AND HOME DYES 3d

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WRITE FOR PARTICULARS

FOR A QUICK SELLING LINE...

FLY TO

POWDERS
ALSO IN TABLET FORM

Made to a sound, approved formula. Extensively advertised and showing good profits.

MANUFACTURED BY A. S. PRICE LTD.
Manufacturing Chemists, Blackheath, Birmingham
A Few Areas open for Agencies

M-W 52

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FOR WHOLESALE MANUFACTURING & RETAIL CHEMISTS

Medical and Dispensing Labels, Toilet, Cosmetic and Perfume, largest range of stock labels (attractive two-colour 50-60 wordings), Shampoo Powder Envelopes and Inners, also Saccharine Tablet Envelopes (new wording), with name and address. We can also offer multi-coloured advertising stamps in exclusive designs.

NEW REGULATIONS—
Send 6d. for complete sample range

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Artists in the Production of Fine Labels
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BANDAGES & DRESSINGS

Prescribed by the Medical Profession

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EUPAX EMBOSSED SEALS
Once again available in METAL FOIL
Pre-war quality
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PROMPT DELIVERY
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HALIBUT LIVER OIL CAPSULES

We can still supply by return of post.

Boxes of 24 Capsules 11/- doz., 60, 22/- doz.,

LOFTHOUSE & SALTMER LTD. HULL

'Mickraform' Sulphathiazole Suspension 20%

'Mickraform' sulphathiazole crystals—many hundred times smaller than the normal—have made possible a satisfactory *fluid* sulphonamide preparation for local use.

This stable, non-irritating, non-alkaline, sterile suspension has proved highly effective in the treatment of traumatic wounds, burns, gonorrhœa and pyogenic skin infections, especially impetigo. It is also ideally suited for use in major and minor operative procedures.

Supplied in 25-cc. bottles, each containing 5 gm. microcrystalline sulphathiazole suspended in isotonic saline. The concentration can be reduced as desired by the addition of sterile normal saline.

Trade Price 45/- per dozen

Retail Price 5/- each

NOT SUBJECT TO PURCHASE TAX

Menley & James Ltd., 123 Coldharbour Lane, London, S.E.5

For Smith, Kline & French Laboratories, owners of the trade mark 'Mickraform'

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RIDDOBRON ASTHMA INHALANT

HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE MOST EFFICIENT TREATMENT FOR

ASTHMA, BRONCHITIS AND EMPHYSEMA

BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING TO THE CONSTANT FLOW OF REPEAT ORDERS.

INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON TO ALL YOUR ASTHMATIC CUSTOMERS

SPASMOPURIN SUPPOSITORIES	Adjuvant to RIDDOBRON inhalation Treatment. Angina Pectoris, Arteriosclerosis, Dysmenorrhoea.
RIDDOSAN INHALANT	Adjuvant to RIDDOBRON Inhalation Treatment. Indispensable for: BRONCHITIS, LARYNGITIS, TONSILLITIS, CATARRHS, HAYFEVER, HOARSENESS AND SORE THROAT.

RIDDELL INHALERS GUARANTEE THE BEST RESULTS

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Also at 12 Mosley Street, Manchester

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VIRDOX REGD. **nutrition**

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* *Stocks of all or any of the above bought for cash*

The **CONTAINER RECLAMATION** *Co. Ltd*

(In Association with REX CONTAINERS LTD)

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Laboratory Precision

FOR over thirty years, through the disruption of two world-wide wars, Laboratory-tested formulae and Laboratory-checked manufacturing processes have ensured the high standards of therapeutic efficacy of all I.C.C. products.

It is this confidence in our products, encouraged and engendered by the honest statements of fact in our advertising, that sends back your customers for further supplies.

We are justly proud that our high standards have, through many difficult times, never been lowered, and we feel we can look forward with supreme confidence to a worth-while future of collaboration between our colleagues in the Trade and ourselves.

'BISURATED' MAGNESIA 'PINEATE' HONEY COUGH-SYRUP
'LIMESTONE' PHOSPHATE 'FREEZONE' CORN REMOVER

P.A.T.A.

International Chemical Co., Ltd.
Clifton House, Euston Road, London, N.W.1.

The production of Meggezones reached its absolute limit some years ago and expansion is only possible when three essential requirements are met.

(1) More of the vital ingredients
(2) More Labour.
(3) More Machinery

Given the first item, we could im provise to expand production, bu until that time arrives, there will no be enough to go round at home, an increasing overseas demand mus also be met.

We show above the publicity bein given to Meggezones in 30 oversea newspapers to emphasise the Worl Wide distribution this preparatio has now attained.

MEGGESON

ESTABLISHED OVER ONE HUNDRED AND FIFTY YEARS

MEGGESON & CO., LTD., LONDON, S.E.

[57/31

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JANUARY 5 1946

28 ESSEX STREET, LONDON, W.C.2

revailing restrictions and heavy demand on space necessitate the holding over of a number of dvertisements week by week. As normal press days are in abeyance advertisers are advised to send nstructions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra.

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Attractive Lipstick Containers, push-up nd screw-up type. Also Plastic bowls, Ashtrays and other Plastic articles.
942/208 C & D LONDON OFFICE

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00 gross 1-drachm Cork Mouth Vials; 00 gross Amber 5 c.c. Cork Mouth Vials; 00 gross Glass Aspirin Tubes, 6 cm. long nd 2 cm. in diameter. Samples and quotaions from CDB/435 C. & D. London Office.

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6 for 40 words or less, 2d. for every additional word.

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DGWARE, MIDDLESEX. Qualified Assistant required for busy good-class Dispensing busis. Also unqualified Assistant mainly for Dissing. Horace Wright, M.P.S., The Chemist in High Street, Edgware.

ADY Assistant required, Counter and Dispensing, Hall Certificate preferred but not essential. ingbourne, Kent. Send full particulars of expere, age, commencing salary. Permanency for able lady. 943/244, C. & D. London Office.

ADY Assistant required (unqualified) for high-class business. Hours 9 a.m. to 5.30 p.m. Good es. Apply Goodere, 75 Chase Side, Southgate, 4. Phone: Pal. 8505.

NDON. Qualified Lady required shortly for N.H.I. dispensing; retail experience not essen- State when disengaged; details experience, ry required, non-resident. 942/214, C. & D. don Office.

ARGERRISON, OAKENGATES, SHROPSHIRE requires young single Pharmacist for training future Branch Management. Excellent prospects salary for right man.

HARMACIST required. Senior position. Apply Staff Controller, William Whiteley, Ltd., swater, W.2.

PHARMACIST required as Manager, previous experience as manager not essential; permanent position. State age, experience, qualifications, and when available, to Eric Holloway (Chemist), Ltd., Windmill House, Cradley Heath, Staffs.

QUALIFIED Assistant (male or female) wanted, Sunderland district, with probability of managership later; very busy shop. Please state age, experience, and salary required to 943/225, C. & D. London Office.

QUALIFIED Pharmacist for Dispensing in high-class pharmacy. Good prospects for right man. Excellent references essential. Apply J. W. Quibell, Ltd., 885 Finchley Road, Golders Green, N.W.11.

QUALIFIED Assistant, over 31, unmarried, wages £6 7s. 6d. plus 10 per cent. bonus. Apply by letter to Hill-Smith (Warrington), Ltd., 77 Bridge Street, Warrington, enclosing references.

REQUIRED, qualified Chemist, permanent, to commence during April or May. Busy middle-class retail business. Must be energetic and prepared to work; experience in latest medical products essential. Generous salary to first-class man, preferable ex-Service, short hours. Apply 943/247, C. & D. London Office.

STOCKPORT. Qualified Assistant wanted for busy shop; permanency and good prospects for right applicant; Co-op. Pharmacy Scale wages; superannuation scheme in operation. Apply, giving full particulars, to The Secretary, Stockport I. & E. Co-op. Society, Ltd., 27–39 Chestergate, Stockport, Cheshire.

WANTED. Young Pharmacist for department shortly to be extended. Interested in photography. Apply by letter to Lomax, Ltd., 234 Deansgate, Manchester.

WANTED Dispenser-Secretary, some nursing experience an advantage, in Medical and Surgical practice. Apply with references to James Lyons, M.D., F.R.C.S., 12 The Avenue, Lincoln.

YORKS, WEST RIDING. Pharmacist required for country business; good congenial post, either sex. Full particulars to F. D. Masterson, Sherburn-in-Elmet, Yorks.

LOCUMS WANTED

GENTLEMAN, qualified, required as locum towards end of January; good-class City pharmacy dispensing and light retail, pleasant atmosphere and conditions. State salary required and other particulars. Perry & Sturman, Ltd., 76 Hertford Street, Coventry.

RETAIL (OVERSEAS)

WEST AFRICA. A permanent and progressive career is offered to qualified Chemists and Druggists (English certificate only). Commencing salary £500 per annum. Separation and children's allowances to married men. Tour of 21 months' duration, free passages, furnished quarters, medical attention and membership to pension fund. Write giving full particulars to "E. K.," c/o Charles Barker & Sons, Ltd., 31 Budge Row, London, E.C.4.

WHOLESALE

ABBOTT LABORATORIES (ENGLAND), LTD., Wadsworth Road, Perivale, Middlesex, invite applications from Pharmacists resident in Glasgow, Yorkshire, Northumberland, and East Midlands for positions as Sales Representatives in these areas.

A FIRM manufacturing ethical pharmaceutical products require a Propaganda Representative to call upon doctors, dentists, hospitals, institutions, etc., in Scotland and Ireland. Own staff have already been advised and applicants who should be pharmacists—preferably with some medical knowledge—may write in confidence giving particulars of age, education, experience, whether married or single, and all relative details, stating salary expected, to 942/197, C. & D. London Office.

A WORKS MANAGER is required at a Fine Chemical Works 25 miles north from London. Essential qualifications are B.Sc. Degree with M.P.S., Ph.C. or B.Pharm.; several years' experience of Fine Chemical manufacture and drug extraction processes; knowledge of modern production methods and factory management, and experience in development of processes from the pilot stage. Age 35–40. This is a permanent appointment which offers considerable opportunity for advancement to one prepared to co-operate with the Research Unit and who recognises that his and the company's interests are synonymous. When replying please give full details of qualifications, experience, salary required, references, etc. 943/236, C. & D. London Office.

AGENTS wanted by well-known Baby Powder Manufacturers throughout London and Home Counties. 943/228, C. & D. London Office.

ANALYST, experienced, required for Pharmaceutical Manufacturing firm in Leeds. Salary according to qualifications and experience. Write 943/242, C. & D. London Office.

ASSISTANT Chemist (male or female) required, capable of performing routine analysis and experimental work. Apply in writing giving full particulars and salary required to Thornton & Ross, Ltd., Manufacturing Chemists, Linthwaite, Huddersfield.

ASSISTANT to Sales Manager required by a leading Pharmaceutical House. Prospective candidates should possess the ability to handle correspondence with the retail and wholesale trade; a knowledge of the hospital and clinic business is an advantage. The position is covered by a superannuation scheme and only candidates possessing initiative and energy should apply, stating full particulars regarding age, experience and salary required to Box 1372, Scotts, 9 Arundel Street, Strand, W.C.2.

BUSH, BEACH & GENT, LTD., Marlow House, Lloyd's Avenue, E.C.3, seek Assistants for their Saleroom and in connexion with their Export Department. Please address replies to the Secretary.

EXPERT Tablet Coater required by Manufacturing Chemists in West of London; good wages paid to right man. Send applications, together with references and wages claimed, to Box 888A, Smiths', 100 Fleet Street, E.C.4.

FIRM of distributors of Pharmaceutical lines willing to employ a Chemist with ideas, initiative and drive with view to putting on new lines. Must have up-to-date knowledge of Ministry Restrictions, Licences, etc., and assist Sales Dept. generally. Box 548, c/o Dorlands, 18–20 Regent Street, S.W.1.

MAN required, with experience of formulation and manufacture of Toilet Preparations. Apply in first instance, stating salary, age and experience to Army and Navy Stores, Ltd., Manufacturing Dept., Johnsons Place, Pimlico, S.W.1.

MANUFACTURING Chemists, specialising in the manufacture of wax products, require Working Foreman used to the control of labour. Apply, 943/230, C. & D. London Office.

MANUFACTURING Chemists require Forelady for packing floor; used to the control of female abour. Apply, 943/229, C. & D. London Office.

MANUFACTURING Chemist required; first-c experience in the production of Dental p parations essential. Write full details, 942/2 C. & D. London Office.

MEDICAL Correspondent. First-class Med Correspondent wanted by leading Pharmac tical House near London; must be capable of deal with doctors' routine correspondence and prefera able to translate medical German literature. Ap testimonials, age and salary, experience, etc., 942/207, C. & D. London Office.

MIDLAND firm of Manufacturing Chemists req the services of one or two Representat with a live connexion to cover their interests chemists and drug stores in Midlands, and ind trial Yorkshire and North-East England. Full ticulars to 943/226, C. & D. London Office.

PHARMACIST required by Manufacturing Ch ists in Manchester District to take charg large Packed Drug Department. Applicant ha held similar position preferred but not essen Must be good organiser, able to control large mi staff and be accustomed to mechanical filling labelling plant. Write giving full details of experience, age and salary required. 943/239, C. & London Office.

REPRESENTATIVES wanted. Agents requi calling on chemists and hairdressing estab ments, to carry extra lines: Lipstick Holders, Pow Compacts, and Boxes, etc. Apply, Kanby Produ 93 Turnmill Street (near Farringdon Street T Station), E.C.1. Telephones: CLE 6065–8291.

REPRESENTATIVE required to take up a tional Agency on commission basis; the an old-established insecticide, now modernised, joys a good sale in the Northern Counties, especi Lancashire, Yorkshire, and Cheshire. 943/223, D. London Office.

SALES Controller wanted by an old-establis firm in the North-West of England. Appl tions are invited only from men with a full kn ledge of trading with Wholesale Distributors Pharmaceutical Chemists, Hospitals, and the M ical and Surgical profession. The position is a sponsible one, and the successful applicant wil required to take charge of the Sales Organisat which is already established. The work requ great detail, and only men having the neces administrative ability, qualifications and knowl of this section of trade are invited to apply. able applicants will be advised within 10 day receipt of replies. All replies will be treated in strictest confidence. Give fullest details, sta salary required, age, experience, etc. Removal penses will be paid to the successful applican necessary. Replies to 943/238, C. & D. London O

TABLET Coater required by Midland Manu turing hemist. Write stating age and perience to 632/749, C. & D. London Office.

UNQUALIFIED Laboratory Assistants requ by firm manufacturing medicinal proprieta in the West London area. The vacancies are in Analytical Laboratory. Previous experience in branch is not essential, but good general analy technique is required. Applicants should be exc from National Service. Minimum salary £7 per w 942/211, C. & D. London Office.

WAREHOUSE and Dispatch Manager. A M ager is required for our Warehouse and patch Department in the Home Counties; quali tions: M.P.S., several years' experience in s rooms, warehouse, and dispatch department, kn ledge of transport and export shipping; in re please give details of past experience and sa required. 942/217, C. & D. London Office.

WILLIAM RANSOM & SON, LTD., Manufactu Chemists, Hitchin, require qualified Assis Works Manager. Age preferably 25–35. Ac experience in manufacture of pharmaceu preparations on wholesale scale essential.

OMAN Assistant required for Analytical Laboratory at a works in West Suffolk; qualification ired, Ph.C. or B.Pharm. standard. Particulars Stafford Allen & Sons, Ltd., 20 Wharf Road, don, N.1.

WHOLESALE (OVERSEAS)

RITISH-TRAINED Chemist for Assam. Applications are invited from British nationals M.P.S. qualification, preferably with practical rience in manufacturing laboratory or wholewarehouse, for permanent position with oldblished British commercial house in Assam; ry offered, Rs. 600 per month (1 rupee = 1s. 6d.), cost of living allowance; applicants should be about 26 years and unmarried. Apply, 943/231, D. London Office.

SITUATIONS WANTED

6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

SSISTANT, unqualified, long and varied experience; abstainer; truss-fitting if required. . Lingard, 57 Featherstone Road, King's Heath, ningham, 14.

WHOLESALE

FIRST-CLASS Representative, excellent connexions with chemists in Hants, Dorset, Wilts Sussex, seeks appointment with reputable house; start at once; highest references available. 246, C. & D. London Office.

TIVE Traveller, free from National Service, big connexion, South-East Counties, wants good r; excellent references; wages, commission, and enses. P, 54 Davis Road, London, W.3.

DVERTISER (49), unqualified, desires responsible position; 26 years' experience; manuuring plant layout, large-scale tablet production, eting machines; disciplinarian. 943/243, C. & D. don Office.

DVERTISER, ex-Serviceman, 31, married, seeks permanent position as Representative on South es territory for reputable House on salary, enses and commission basis; sound travelling erience and has represented two very well-known s before the war. At present employed as Repreative of a firm whose products are internationally ous; good reason for desiring change; excellent s record, highest references, fidelity bond, clean ing licence, etc. 942/193, C. & D. London Office.

RITISHER, bilinguist, over ten years' pharmaceutical experience in France, including imting from Britain, seeks post with firm developing rt trade; would reside in France; best refers. 943/248, C. & D. London Office.

R. W. E. PRESTON, 57 Garthland Road, Hazel Grove, Cheshire, desires change; sound finansales connexion: Wholesale, Retail Chemists, d trades; Lancashire, Cheshire.

ERFUMERY Chemist, thoroughly experienced in formulating and manufacturing Creams, Lipk Powder, Liquids, initiative and conscientious ker, seeks responsible position. 943/232, C. & D. don Office.

ELIABLE and widely-experienced Executive (48), qualified, with particularly successful e sales record, requires post as Sales Manager. knowledge of export, but very anxious for oppority to learn, even if in lower capacity. Can offer st coverage all sides of sales promotion. 942/216, & D. London Office.

EPRESENTATIVE, with 22 years' experience and excellent connexion with Chemists in Lond Home Counties, desires to represent firm epute; first-class references. 943/240, C. & D. don Office.

REPRESENTATIVE calling chemists, grocers, hairdressers, stores, co-ops., etc., E. and N. Yorks, Durham, and Lincs, open to represent good lines, including Cosmetics, on salary, commission, and expense basis; interview preferred. Write, 942/219, C. & D. London Office.

REPRESENTATIVE of mature experience, having large and sound connexion with Chemists, Co-ops., etc., in Home and Eastern Counties, willing to take over West Country, seeks appointment with firm of repute who requires a reliable, tactful, conscientious worker; salary or salary-commission and expenses. 943/237, C. & D. London Office.

REPRESENTATIVE (experienced), live wholesale and retail London connexion, chemists, grocers and hairdressers; sales organiser; neglected areas made profitable; well known in provinces; own car; worker. 943/249, C. & D. London Office.

TABLET Maker seeks post any district, experienced most machines, single and multiple-punch rotary; disengaged. 942/209, C. & D. London Office.

EXPORT TRADE

SWEDEN—HOLLAND

Well-reputed Agency firm, desirous of extending its field of activities, is interested in representing competitive exporters of Cosmetic articles, Chemicals for the cosmetic industry, Toilet articles, Rubber goods; first-class English, Swedish, and Dutch references. E. Meylink, Kosmetic, Stockholm, De Geersgatan 14.

PALESTINE. Well-established wholesale Drug Store (owned by leading Chemists) seeks connexions with first-class Manufacturers of Pharmaceutical and Cosmetical products; sole Agency, or distributorship considered. Write, The United Chemists, Ltd., 55 Jaffa Road, Haifa.

SPAIN. Laboratorio Ortega, P.O. Box 971, Madrid. Wanted, Representations in pharmaceutical and chemical products; commercial organisation in Spain and Possessions; own small factory for elaboration of raw and semi-manufactured materials; references on application.

WELL-KNOWN and introduced Swedish importers desire to obtain Agency, or would import goods of the following lines: Perfumery, Cosmetics, Hairdresser's Sundries, Plastic Goods; bank references: Skanska Banken Malmö. Parfumerie Gust Wulff AB. (Leveranteur De S.M., Le Roi De Suède), Malmö, Sweden, Postbox 4717.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

A WELL-CONNECTED live-wire Salesman, who has terminated his employment with an old-established reputable firm of manufacturing chemitss, and has been responsible for opening complete new territories in London, the Home Counties and provinces amongst retail and wholesale chemists, co-ops., multiple grocers, and stores, wishes to contact manufacturers willing to grant Agencies for Patent Medicines, Toilet Preparations, Sundries, Fancy Goods, etc.; would specialise, if desired; highest credentials and financial securities. 943/241, C. & D. London Office.

NORTHERN IRELAND. Well-known Representative, already representing leading houses, desires additional Agencies covering Wholesale, Retail, Drug and allied trades; excellent connexion of many years' standing and substantial business assured. 943/235, C. & D. London Office.

SCOTLAND. Sole Agency required for reputable goods for sale to Chemists/Stores. Agency is under direct supervision of Pharmacist formerly sales director to world-wide organisation. Appointment in London could be arranged at short notice. 942/215, C. & D. London Office.

APPOINTMENTS

ASSISTANT PHARMACIST required by Middlesex County Council at Redhill County Hospital, Edgware, Middx. Applicants must hold one of Pharmaceutical Society's qualifications. Commencing salary £260 p.a. Increments of £10 up to £300 p.a. considered annually. Additional cost of living bonus (now £60 p.a.). Unestablished staff. Whole-time duties under supervision of Medical Director and Chief Pharmacist. Application, stating age, qualifications and experience, enclosing copies of up to three recent testimonials, to Medical Director of Hospital *immediately*. (Male candidates should state position with regard to military service.)

COUNTY BOROUGH OF SOUTHEND-ON-SEA
SOUTHEND MUNICIPAL HOSPITAL
ROCHFORD, ESSEX

The Health Committee of the Council invite applications for the post of Non-Resident ASSISTANT PHARMACIST at the above Hospital. Candidates should hold one of the registerable qualifications of the Pharmaceutical Society. The salary is at the rate of £250 per annum, rising by increments of £10 to a maximum of £300, plus cost of living bonus, at present £59 16s. per annum for males and £48 2s. for females. The provisions of the Local Government and Other Officers' Superannuation Act, 1937, will apply, and the person appointed must satisfy the Council's Medical Examiner.

Application forms, which can be obtained from the Medical Superintendent of the Hospital, must be completed and returned to him as soon as possible.

ARCHIBALD GLEN,
October, 1945. Town Clerk.

DEVON MENTAL AND EMERGENCY HOSPITAL
EXMINSTER, NR. EXETER

ASSISTANT DISPENSER required, male or female, unqualified. Hospital experience and the holding of Hall Diploma an advantage, but not essential. Hours 9 a.m. to 5 p.m. daily, Saturdays 9 a.m. to 12.30 p.m. Sunday Duty for one hour every third week. Apply stating salary required and enclosing copies of three recent testimonials to the Medical Superintendent.

LOCUM Assistant Pharmacist required immediately at Southend Municipal Hospital, Rochford. Salary £7 7s. per week, plus war bonus. Apply, Medical Superintendent. Tel. No.: Rochford 56278.)

QUEEN MARY'S HOSPITAL FOR THE EAST END
STRATFORD, LONDON, E.15

Applications are invited for the post of PHARMACIST (male) to take charge of his Department, with one qualified assistant. Candidates should not be over 40 years of age, and should hold the qualification M.P.S. or its equivalent. Preference will be given to those with experience in institutional purchasing and manufacturing. Commencing salary according to experience, but not less than £325 p.a., with lunch and tea. Federated Superannuation Scheme lunch and tea. Federated Superannuation Scheme in force. Applications, stating age, qualifications and experience, accompanied by copies of recent testimonials, should reach the undersigned not later than the 15th January, 1946.

M. J. HUNTLEY,
House Governor and Secretary.

PHARMACIST. Applications are invited from Registered Pharmacists for post in smal Hospital. Federated Superannuation Scheme i force. Commencing salary, £300 per annum 943/234, C. & D. London Office.

SURREY COUNTY COUNCIL
ST. LUKE'S HOSPITAL, GUILDFORD

ASST. PHARMACIST. Temp. Must be M.P.S or Ph.C. Salary £250 × £10—£300 p.a., plu bonus 23s. p.w. male, 18s. 6d. p.w. female. Apply to Medical Superintendent.

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LADY requires Partnership in well-establis Chemist's Business; living accommodat Surrey or Sussex. 943/224, C. & D. London Offic

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SANITARY Towels (wool), size 2, branded. R 2s., 18s. dozen carriage forward. 10 g 942/213, C. & D. London Office.

WANTED

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MICROSCOPES wanted for important w Send particulars with price required. Wal Heaton, Ltd., 127 New Bond Street, London, W

WANTED. 1-oz. Bottles any shape; small large quantities; highest prices paid. 635/ C. & D. London Office.

WANTED. Supplies of Sulphonated Fatty Alc Powder, first quality only. Samples and qu tions to Carl Mumby (Productions), Ltd., 46 Peters Avenue, Cleethorpes.

WANTED, urgently, Tablet Bottles, No. 2 No. 7 sizes, in any quantity up to 2,000 g Please state quantity and price to Cupal, Ltd., 1 Street Bridge, Blackburn, Lancs.

26-OZ. and 13-oz. Wine or Champagne Bo required. 625/524, C. & D. London Office

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional wo

DRUG Store wanted by private purchaser; c town within 100 miles London preferred, not essential; any district considered; small li accommodation; good price will be given for s concern and immediate cash settlement made; plies will be respected as strictly confidential advertiser could interview at any time. 943/ C. & D. London Office.

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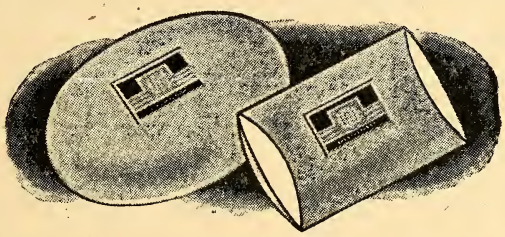

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